## CONFIDENTIAL

### TEXTRON Systems

Carl G. Buzawa General Counsel Textron Systems A Textron Company 201 Lowell Street Wilmington, MA 01887-2941

# TEXTRON PRIVATE

28 April 1999

William Walsh-Rogalski, Esq. EPA New England
1 Congress Street Suite 1100 (M/S RAA)
Boston, MA 02114-2023

COMPANY PRIVATE

Re: Cape Cod Textron Operations

Dear Bill:

As we discussed on Monday, Textron Systems Corporation has recently received information concerning the historic disposal of waste water from a tank (long since removed) formerly associated with the melt pour facility located on the J-3 Range. Based on current information, a limited amount of filtered waste water may have been disposed of on site and in the adjacent J-1 Range, during the time period of the mid 1980's at J-3. Additionally, we have learned of a similar incident at the J-3 Range some time between 1989-1991 on the J-1 Range.

I am actively investigating the circumstances surrounding this matter and as I discussed with you will cooperate fully with the EPA to keep your agency informed as information becomes available.

Very truly yours,

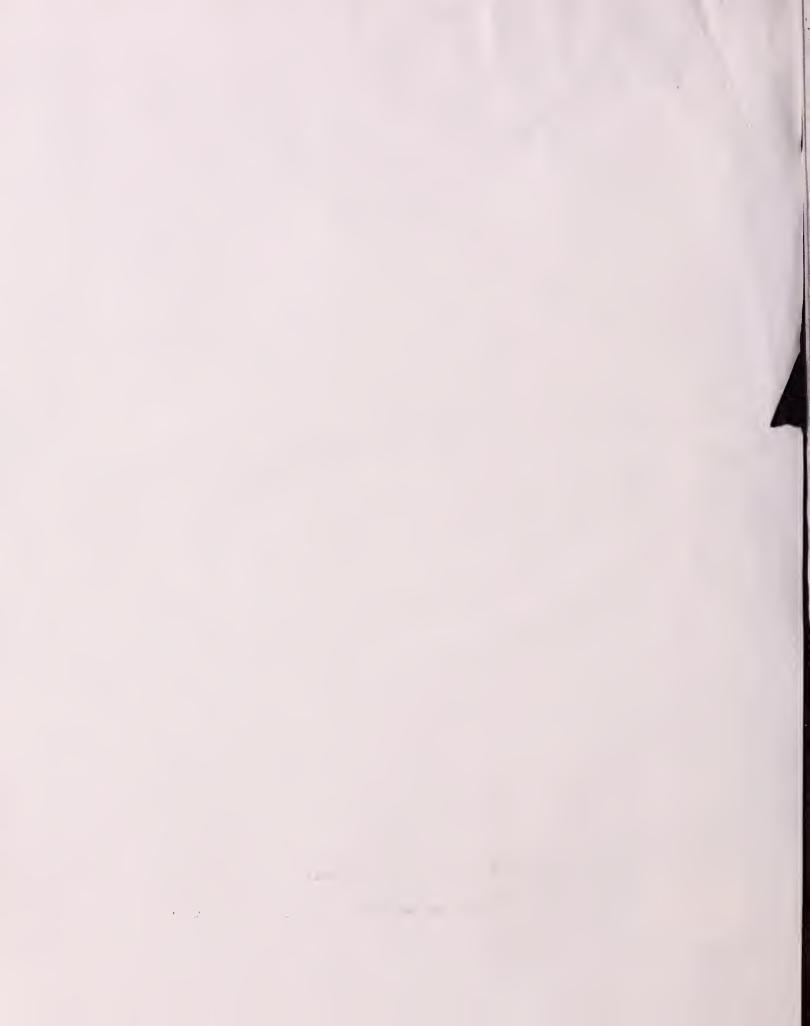
Coul & Brynn

Carl G. Buzawa

Cc: Jane Dolan

Jonethan Bourne Public Library
19 Sandwich Rd.
Bourne, MA 02532

408



### TEXTRON Systems

Carl G. Buzawa Vice President Contract Management and General Counsel Textron Systems A Textron Company

201 Lowell Street Wilmington, MA 01887-2941

COMPANY PRIVATE
TEXTRON PRIVATE

25 May 1999

William Walsh-Rogalski, Esq. EPA Region I
1 Congress Street, Suite 1000 (M/S RAA)
Boston, MA 02114-2023

CONFIDENTIAL

Re: Cape Cod Textron Operations

Dear Bill:

This letter follows up on my prior letter of 28 April 1999 concerning the disposal of waste water from a former tank at the company's melt pour building at the J-3 Range facility. We have completed our investigation of the matter and I am writing to inform you of the results and to propose an action plan.

Based on information that we have been able to gather, an underground waste water tank with a capacity of 1500 gallons was installed at the J-3 Range facility in approximately 1978, when the melt pour building was constructed. The tank was fed by floor drains which collected waste water from operations (including contaminated cooling water from the milling, or machining, of explosive munitions, and floor washings). The explosive portion of the munitions that were machined were of two types: Octol (containing approximately 25% TNT) and a variety of plastic-bonded explosives (PBE). As of approximately 1986, a series of filters were used at the machine, in the floor drain, and at the inlet to the tank to remove solid residues from the waste water before being discharged to the tank. In approximately 1990, when a closed loop filtering system for the machining process was installed in the melt pour building, the waste water tank was excavated and removed.

The waste water collected in the tank apparently was disposed of on the ground at the J-3 Range facility before approximately 1985, when the practice was stopped. We have been able to verify one instance of such disposal, but there may have been one or more additional instances (we doubt there would have been many such instances, based on the capacity of the tank and the limited use of water in the machining process). In approximately 1986 and 1987, the contents of the waste water tank were placed in drums and then in solar evaporators in an attempt, apparently unsuccessful, to evaporate the liquid. Subsequently, for the period between approximately 1987

19 Sandwich Rd.

Bourne, MA 02532 cbuzawa@systems.textron.com the waste water tank were placed in drums and then in solar evaporators in an attempt, apparently unsuccessful, to evaporate the liquid. Subsequently, for the period between approximately 1987 and 1990, we have been able to verify one instance of waste water disposal on the J-1 Range adjacent to the J-3 facility. We believe this was a one-time occurrence. (Please note that this is the same one instance I referred to in my 28 April letter as occurring between 1989-1991; we now believe the 1987-90 time period to be more accurate.) In 1990, the J-3 facility contracted with Clean Harbors to remove 2022 gallons of waste water, which apparently coincided with the removal of the waste water tank and the installation of the closed loop filtering system. When Clean Harbors analyzed this water they determined that it was not a hazardous material.

Based on our investigation, we are now in a position both to present these facts concerning prior waste disposal and to propose a plan of action. We do not know whether the prior disposal of waste water on the J-3 and J-1 Ranges has caused any environmental impact. We are enclosing the only analytical data we have for the waste water, which was generated by Clean Harbors. In order to be proactive in determining whether there has been any impact, however, the company has asked an environmental consulting firm, Harding Lawson, to propose a sampling plan aimed at evaluating the potential impact of this disposal activity. A copy of that plan is enclosed for EPA's review and approval.

We would appreciate an opportunity to discuss the proposed sampling plan with EPA so that the sampling effort can be initiated in the near future. Thank you for your consideration.

Very truly yours,

Carl G. Buzawa

1c/

Enclosure



ANALYTICAL SERVICES
325 WOOD ROAD, BRAINTREE, MA 02184
(617) 849-6070
REPORT OF ANALYSIS

Textron Defense 201 Lowell Street Wilmington, MA 01887

Project: J3 P.O. #: Longo Date Received: 05/03/90 CHAS Lab #: 9005040

Attn: Mr. Rudy Longo

Enclosed are the results for the sample(s) delivered to our laboratory on the date indicated above.

The methods listed represent those methodologies which were used to develop the best analytical techniques. Analytical results and quality assurance protocols are based on these guidelines. These meet the requirements for the reporting of results under the RCRA, NPDES and Safe Drinking Water Act regulations.

Clean Harbors Analytical Services has an active program of quality assurance and quality control. The program closely follows the guidance provided in the EPA Contract Laboratory Program Statement of Work (organic - 7/87 and inorganic - 7/85), the guidance provided in SW-846, and many other pertinent documents.

Should you have any questions concerning this work, please do not hesitate to contact me.

The information contained in this report is, to the best of my knowledge, accurate and complete.

Fer/Date:

Robert E. Bentley
Laboratory Manager



Sample I.D.: J3 Sample Type: Liquid CHAS Lab #: 9005040-01A

Date Received: 05/03/90

DIRECT AQUEOUS INJECTION by Ref. Method ASTM D2908-87 (k)

Analysis Date: 05/10/90

Parameter

HDL\*

Conc.\*

Trinitrotoluene

50

ND

Notes

ND - Below minimum detectable level (MDL)

 $\star$  - mg/l



Sample I:D.: J3
Sample Type: Liquid

CHAS Lab #: 9005040-0101 Date Received: 05/03/90

Parameter .	MDL	Result	Units	Analysis Date	Method Number and Reference
Arsenic - EP Toxicity (1)	0.2	ИD	mg/l	05/29/90	3010/6010(c)
Barium - EP Toxicity (1)	0.05	0.22	mg/l	05/29/90	3010/6010(c)
Cadmium - EP Toxicity (1)	0.005	0.005	mg/l	05/29/90	3010/6010(c)
Chromium - EP Toxicity (1)	0.01	0.03	mg/l	05/29/90	3010/6010(c)
Lead - EP Toxicity (1)	0.1	ND	mg/l	05/29/90	3010/6010(c)
Mercury - EP Toxicity (1)	0.0040	0.0040	mg/l	05/30/90	7470(c)
Selenium - EP Toxicity (1)	0.2	ND	mg/l	05/29/90	3010/6010(c)
Silver - EP Toxicity (1)	0.02	ND	mg/l	05/29/90	3005/6010(c)

Notes: ND - Below minimum detectable level (MDL)

Soil/solid samples based on sample dry weight.

Sample extracted 05/24/90 Sample digested 05/25/90 Mercury digested 05/29/90

(1) Sample was evaluated by EPA Method 1310, EP Toxicity, as described in reference (c).



CHAS Lab #: 9005040

DIRECT AQUEOUS INJECTION BLANK by Ref. Method ASTM D2908-87 (k)

· Analysis Date: 05/10/90

Parameter HDL\* Conc.\*

Trinitrotoluene 50 ND

Notes

ND - Below minimum detectable level (MDL)

\* - mg/1



Sample I.D.: J3 Sample Type: Liquid CHAS Lab #: 9005040-0101

Date Received: 05/03/90

Parameter	,	MDL	Result	Units	Analysis Date	Method Number and Reference
Flashpoint		• •	>200	deg F	05/30/90	1010(c)

Notes: ND - Below minimum detectable level (MDL)

Soil/solid samples based on sample dry weight.



ample I.D.: J3
ample Type: Liquid

CHAS Lab. #: 9005040-01U1
Date Received: 05/03/90

	<b>न्द्रश</b> ्			Analysis	Method Number
'arameter	HDL ·	Result	Units	Date	and Reference
eactive Cyanide	0.10	ND	mg/l*	06/08/90	7.3.3.2 (c)
eactive Sulfide	0.50	ИD	mg/l**	06/08/90	7.3.4.2 (c).

lotes: ND - Below minimum detectable level (MDL)

Soil/solid samples based on sample dry weight.

\* - Total Releasable Cyanide: mgHCN/l as received basis.
\*\* - Total Releasable Sulfide: mgH2N/l as received basis.

Jonethan Bourne Public Library
19 Sandwich Rd.
2 Bourne, MA 02532

# **TEXTRON** Systems

Textron Systems
A Textron Company

201 Lowell Street Wilmington, MA 01887-2941

25 February, 2000 1730-RKM-00-001

National Guard Bureau Office of the Chief Counsel ATTN: NGB-JA (Ms. Sendek) 1411 Jefferson Davis Ave. Arlington, VA 22202-3231

Re: Submittal of Request for Information Pursuant to Section 104 of CERCLA, for Massachusetts Military Reservation (MMR)

Dear Ms. Sendek,

In accordance with Executive Order 12580, the United States Department of Defense (DOD) through the Air Force Center for Environmental Excellence, Textron Systems Corporation (Textron) respectfully submits Information Request documentation pursuant to Section 104 (e) of the Comprehensive Environmental Response, Compensation and Liability Act.

Textron is asserting confidentiality claim pursuant to Sections 104(e)(7)(E) and (F) of CERCLA, 42 U.S.C. §§ 9604(e)(7)(E) and (F) for the entire package enclosed.

Textron objects to certain requests, definitions and instructions on the grounds that they are over broad, unduly burdensome, and not reasonably calculated to lead to the production of relevant information. Without waiving any of its objections, Textron provides the enclosed information, which it believes is responsive to the information request.

If you have any questions or comments pertaining to the above, please be sure to contact me at the letterhead address or telephone number of (978) 657-2477. You may also contact me electronically at rmaggian@systems.textron.com.

Sincerely,

Robert K. Maggiani

Divisional Remediation Manager

RKM/ Encls. Johathan Bourne Public Library
19 Sandwich Rd.
Bourne, MA 02532

cc: Ms. Lisa Wilson - Textron Systems Corporation (w/o enclosures)

Mr. Carl Buzawa - Textron Systems Corporation (w/o enclosures)

Mr. Jamieson Schiff - Textron Incorporated (w/o enclosures)

Mr. James Snyder - Department of the Air Force (w/o enclosures)

March 2879 111 2

### **Textron Systems Corporation**

### Submittal of Request for Information Pursuant to Section 104 of CERCLA for Massachusetts Military Reservation (MMR)

### 25 February, 2000

Textron is asserting confidentiality claim pursuant to Sections 104(e)(7)(E) and (F) of CERCLA, 42 U.S.C. §§ 9604(e)(7)(E) and (F) for the entire package enclosed.

### **Information Request for MMR**

#### Section 1 - General Information About Respondent

- 1a.) Textron Systems Corporation201 Lowell StreetWilmington, MA 01887-2941
- 1b. also see enclosed report)

Ms. Lisa L. Wilson (formerly Ms. Delaney) Counsel Same as above 978-657-1860 978-657-6913 (FAX)

Mr. Robert K. Maggiani Divisional Remediation Manager Same as above 978-657-2477 978-657-1130 (FAX)

- 1c.) Ms. Lisa L. Wilson
  Contact information is the same as above.
- 1d.) See enclosed report.
- 1e.) 3483 and 3489
- 1f.) See enclosed report.
- lg.) See enclosed report and attached Exhibits.
- 1h.) See attached Exhibits.
- 1i.) See enclosed report and attached Exhibits.



Textron Systems Corporation 104(e) Request for Information Submittal 02/25/00

#### Section 2 - Respondent's Legal and Financial Status

2a,b & c.)

Textron Systems Corporation, a subsidiary of AVCO Corporation, a subsidiary of Textron Incorporated (company renamed 10-27-1996 from Textron Systems Division)

Textron Systems Division (company renamed 10-01-1995 from Textron Defense Systems)

Textron Defense Systems (company renamed 1987 from AVCO Systems Textron)

Textron Incorporated acquired AVCO Corporation 02-28-1985 and renamed AVCO Systems Corporation, a division of AVCO Corporation, a subsidiary of Textron Incorporated

AVCO Research & Advanced Development founded in 1955 a division of AVCO Corporation

2d & e.) NA.

#### Section 3 – Information About Others

See enclosed report.

#### Section 4 - Compliance With This Request

See enclosed report.

#### Information Request

#### Section 1 - Property Interest Within Site

See enclosed report.

#### Section 2 – Leases/Licenses of Site Property

See enclosed report and attached Exhibits.

#### Section 3 – Respondent's Operations

See enclosed report and attached Exhibits.



#### Section 4 – Respondent's Materials and Material Streams

See enclosed report and attached Exhibits.

# Section 5 – Respondent's Disposal/Treatment/Storage/Recycling/Disposal of Materials

See enclosed report and attached Exhibits.

#### Section 6 – Site Incidents

See enclosed report.

#### Section 7 - Environmental Work at the Site

See enclosed report and attached Exhibits.

#### Section 8 - Respondent's Environmental Reporting

See enclosed report and attached Exhibits.

#### Section 9 - Additional Requirements

See enclosed report and attached Exhibits.



### **Textron Systems Corporation**

### Report and Exhibits Submittal of Request for Information Pursuant to Section 104 of CERCLA for Massachusetts Military Reservation (MMR)

25 February, 2000

Textron is asserting confidentiality claim pursuant to Sections 104(e)(7)(E) and (F) of CERCLA, 42 U.S.C. §§ 9604(e)(7)(E) and (F) for the entire package enclosed.

- History of Site Operations by Textron Systems Corporation (104e Request) J1 and J3 Ranges Camp Edwards, Massachusetts Report
- Hazardous Waste Manifests
- Department of the Army License Camp Edwards, Massachusetts (J3 Range)
- Permit for Use of Certain Facilities at the Camp Edwards Army National Guard Training Site, Camp Edwards, Massachusetts (J1 Range)
- Drinking Water Quality (various analytical testing events)
- Removal of Fuel Oil Tanks at J3 Range (with soil analytical data)
- Soil & Paint Chips for Pb
- Cape Cod Textron Operations (28 April 1999)
- Cape Cod Textron Operations (25 May 1999)



### **Textron Systems Corporation**

Report and Exhibits Submittal of Request for Information Pursuant to Section 104 of CERCLA for Massachusetts Military Reservation (MMR)

25 February, 2000

Textron is asserting confidentiality claim pursuant to Sections 104(e)(7)(E) and (F) of CERCLA, 42 U.S.C. §§ 9604(e)(7)(E) and (F) for the entire package enclosed.

History of Site Operations by Textron Systems Corporation
(104e Request) J1 and J3 Ranges
Camp Edwards, Massachusetts Report

Jonathan Bourne Public Library

19 Sanit 1 1d. Bourns, MA 02592

### **Textron Systems Corporation**

### Exhibits Submittal of Request for Information Pursuant to Section 104 of CERCLA for Massachusetts Military Reservation (MMR)

25 February, 2000

Textron is asserting confidentiality claim pursuant to Sections 104(e)(7)(E) and (F) of CERCLA, 42 U.S.C. §§ 9604(e)(7)(E) and (F) for the entire package enclosed.

Hazardous Waste Manifests

Jonathan Bourne Public Library
19 Sandwich Rd.
Bourne, MA 02532



One Winter Street Bos		02108	CONF m designed for use	DENT on elite (12)	IAL Special Sp
UNIFORM HAZARDOUS 1. Generator's US EPA ID No. WASTE MANIFEST	Manilest Docum	12.	Page 1 Infoi	mation in the sit required by I	
Attn: Mr. Robert Mag 201 Lowell St. Wilmington, MA 0168	giani MG3017	B	MAK State Gen ID OLIS AIRFOR BUZZAROS RA State Trans. ID	2549	935
5 Transporter 1 Company Name 6.	US EPA ID Number 039322250 US EPA ID Number	D.	/3775 / Transporter's Pho	MA	8 <del>49-1800</del> 4
E. Designated Facility Name and Site Address 10.  Clean Harbors of Braintree Inc	US EPA ID Number	F.	Transporter's Pho	ne ( )	
Braintree, Mk 02184 MADO	053452637 D Number)	12. Container	State Facility's ID  Facility's Phone ( s 13. Total	781 845	1
HAGIE ACETIC ACED SOLUTION , 8, UN2789, II	JF	NO. Ty	Ouantity	₩vvoi	
M REZARDOUS WASTE LIQUID NO.S. (STEVER, AND STEVER) AND STEVER, AN	NOT Ships	MA		1	DOIT 7/-
CODING OF FIFE BACED DEVELOPER NON D.O. 1	REGULATED, NOT Shipped	ENVIRONI	MENTAL PROTE	CTION	100 JT
NON DOT REGULATED HATERIAL (FILTER WATER), HAZARDOUS, NONE, NONE		2 M	n 70	6 1	ia.99
3) Additional Describions for Materials Listed Above (include physical state and his	azard code.)	K. a.	Handling Codes to	Wastes List	
(L) 2 XS		b.		d. 5	1012
16. CENERATO SCENTIFICATION I hereby declare that the contents of this consignment	are fully and accurately dela		CALL CHES	1-800-6 wo# SB1	45-8265 72003
according to applicable international and national government regulations.  #Tamilizing suscribly generator, I certify that I have a program in place to reduce the volume from the practicable method of treatment, storage, or disposal currently from the storage, or disposal currently from the program of th	ume and toxicity of waste ger y available to me which minir	mizes the present	and tuture threat to hur		
The state of the s	Signature Signature	Town		Mony.	Date  Jay Year  Date
B:// Sprague  N S // Sprague  O 118. Transporter 2 Acknowledgement of Receipt of Materials	Signature Bill s	larag	ul .	Month OZ	Day Year 1 2 7 9 9 1 Date
19. Discrepancy indication Space	Signature  R. M.S. IBA & Extr	W P	5. 6. E. E	Minnii L	Day Year
C 20. Fability Owner or Operator Certification of receipt of hazardous materials of	OMPAN			\$60 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$	
Ty Printed Typed Name / a han  Y /// Chile / a han  Form Approved OMR No. 2050-0009.  EM. From 8704-22 (Per, 5-60): From your ortices are obsolete	Signature / Nachalf	2		V2 14	Date 17 17 17 17 17 17 17 17 17 17 17 17 17

in case of emergency or spill, immediately czii ine National Hesponse Cepter (duu) 424-8802.



COPY>B: GENERATOR RETAINS

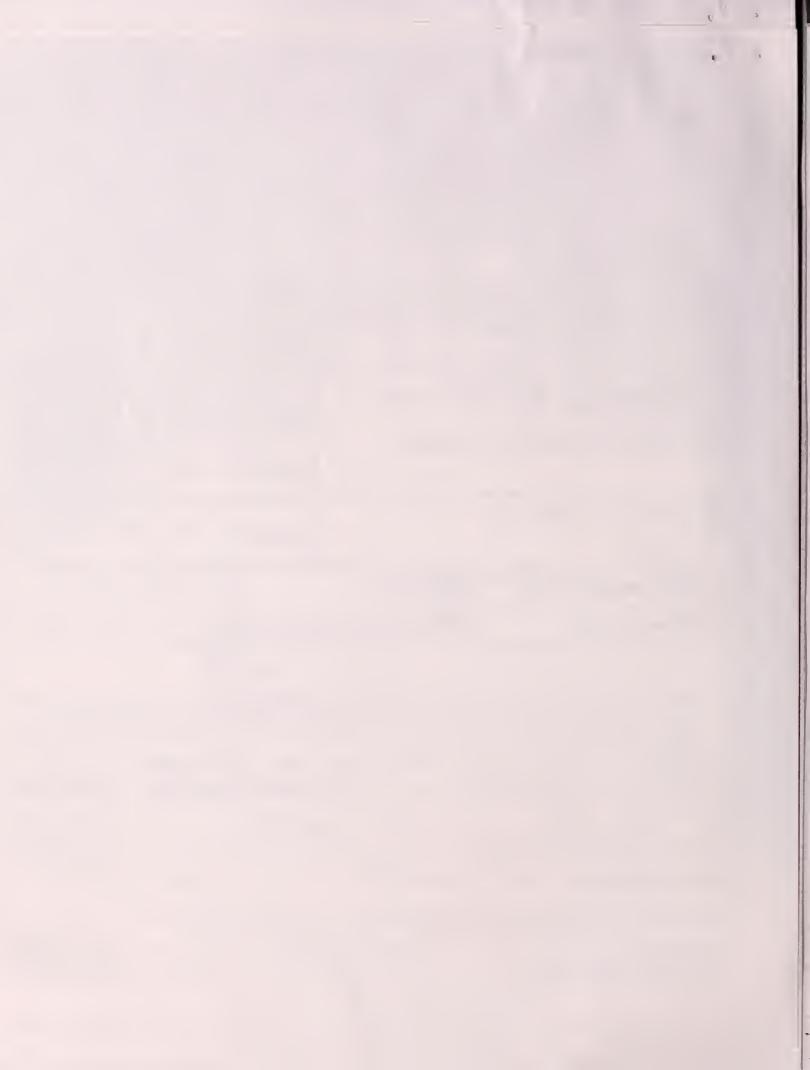
Ellangurang armon an

NOTARBUS OF ZILAM YTILIDAR : E<Y400



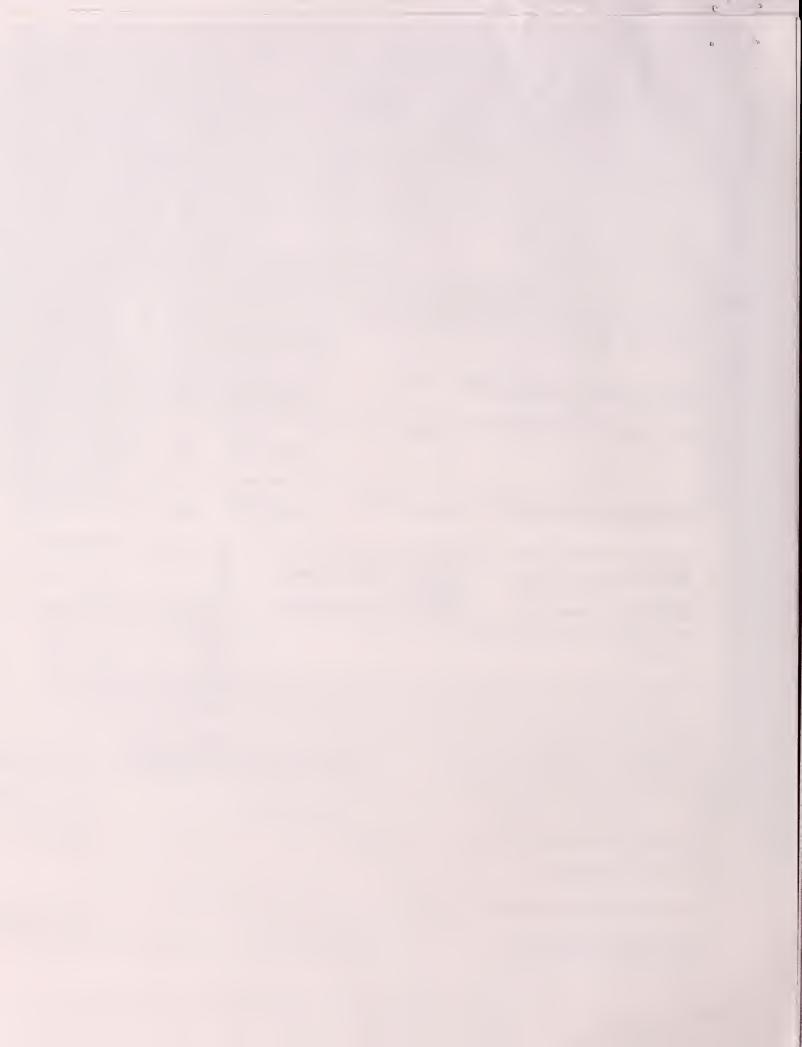
ter:(800).4		A COMPANY OF COLUMN 1997
onse (Cen	0	PARTIENDE METERINATION DE L'EXPONTUNITE
onal Resp	人が耐いま	DE HAZAMOCIES MASTES SOLID. N.O.S.: (LEAD). 9. DOJ DAY 150 B FOLIDE
the Nation	HOR.	PO ASBESTOS: 9: NAZZ12, 111. (ASBESTOS)
Soliately Call	X	HON-REGILATED HATERIAL, NONE  J-3 Rtm
mmed		J. Additional Descriptions for Materials Listed Above (include physical state and baserd code.)  K. Hundling Codes for Wastes Listed Above (include physical state and baserd code.)  S. O. 1  C. S. O. 1  C. S. O. 1
spill,		LEND SOLDER PHSTE DEBRIS MODEN FLUER (PHATE DEBRIS 0 1
cy or		15. Special Handling Instructions and Additional Information  DEC 2-2-1998
emergency		16. GENERATOR'S CERTIFICATION. I hereby declare that the contents of this consument are fully and accurately described bove by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transfer. It I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of which generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that Is available to me and that I can afford.
ō		Emergency Situation Contact: Safety-Kleen (NE) (978) 683-1402 Date  Printed Types Name AP TOWN AY Signature Musikum Consultary 1974 978
In case	TRANSP	17. Transporter 1 Acknowledgement of Receipt of Materials  Printed Typed Marry  A SH  Signature  Signature  Month Day Year  13 144 518
	ORTER	18. Transporter 2 Acknowledgement of Receipt of Materials  Printed Typed Name  Signature  Signature  Date  Month Day Year
	FA	19. Discrepancy Indication Space
	0-1-	20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item19  Date
	Ť. Y	Printed Types Name Wason Signature day Mason 1949
		Form Approve CMR No. 2050-0039. Expires 9-30-99

NOTARBUS OF SLIAM YTILIDAR : E<Y900



	WASSE MANIFEST AND THE PROPERTY OF THE PROPERT	The state of the s						
,								
			1274					
	7.7 Demonster 2 Carried purification in the Adult of the					1	W.S.	(15 · 2
大学を	SAFETIMETH (IE), TIC:/				and the second			
	US OUT Perimption (housing Proper Style Ing. Harres Co.	MADOGOGO						
		大学 はいかんない はいまま	<b>学和</b> 约克	7		3	0.0	
	FO WASTE FOR USE CONTAINED REPORT FOR THE PARTY OF THE PA		004	מעם	300	NO.		
EN	DA CATE TI ANNADI G. COL ING. ODGANIC N	0.8		1		D		dia.
E R	WASTE FLAMMARIE SOLIDS, ORGANIC, N. (METHANOL). 4 1. UN1825 11	ESE.	001	DH.	100			
7	HASTE ACETIC ACID SOLUTION, 8, UN27	790. 11	AAL	7	15	A	0.0	0.2
			N MANAGE	A A			400	Tig Th
	RO HASTE FLAHHABLE LIQUIDS, N.O.S.	(TERPENE	002	DM	60	G	b o	0.1
R.Y	RO NASTE FLAMMABLE LIQUIDS, N.O.S./ HYDROCARBONS), 3, UN1993, III, (DOC  J. Additional Descriptions for Materials Listed Above (include physical sections)	al state and hazard code.)	602	'	60 Handling Cod	G es for Wa	# P	
R.Y	PRO WASTE FLAMMABLE LIQUIDS, N.O.S., HYDROCARBONS), 3, UN1993, III, (DOC  J. Additional Descriptions for Materials Listed Above (include physics)  BEBRIS/1E/IPA/ACE/FOL/EPOKY RESIN  a. 455-618	n state and hazard code.)  12  12  13  14  15  16  16  16	WACETIC	'	60 Handling Cod	G Bes for We	# P	
	RO WASTE FLAMMABLE LIQUIDS, N.O.S., HYDROCARBONS), 3, UN1993, III, (DOC  J. Additional Descriptions for Materials Listed Above (Include physics)  BEBRIS/JE/IPA/ACE/TOL/EPOKY RESIN  A 953-818  MSTE DEBRIS (SOLID)RAGS, FILTERS  B. BLOKT  15. Special Handling Instructions and Additional Information	gl state and hazard code.) 12 ii NONK IND.STOP BATH	WACETIC	'	60 Handling Cod	G es for WE	# P	
R.Y.	RO WASTE FLAMMABLE LIQUIDS, N.O.S./ HYDROCARBONS), 3, UN1993, III. (DOC  J. Additional Descriptions for Materials Listed Above (Include physics)  BEBRIS/JE/IPA/ACE/TOL/EPOKY RESIN  A 950-018  WSTE DEBRIS (SOLID)RAGS, FILTERS  B. BLOKT  B. Special Handling Instructions and Additional Information  a. F003, F005	gi state and hazard code.) 12 HOME IND.SKOP BATH ( 10 EC-7R WITH WATER, E	N/ACETIC	·	DEC	2 2	astos Lister S C S 1998	Above
R.Y.	RO WASTE FLAMMABLE LIQUIDS, N.O.S., HYDROCARBONS), 3, UN1993, II. (DOC  J. Additional Descriptions for Materials Listed Above (Include physics)  BERIS/JE/IPA/ACE/TOL/EPOKY RESIN  B. WSTE DEBRIS (SOLID)RAGS, FILTERS  B. WSTE DEBRIS (SOLID)RAGS, FILTERS  B. J.	Is a late and hazard code.)  IZ INDUK IND. SKOP BATH (  INDUK IND. SKOP BATH (	ly and accurate coording to app	ely description	DEC	2 2	astos Lister S C 1998	Above 0
R.Y	PRO WASTE FLAMMABLE LIQUIDS N.O.S. HYDROCARBONS), 3, UN1993, II. (DOC HYDROCARBONS), 11, UN1993, II. (DOC HYDROCARBONS), 3, UN1993, II. (DOC HYDROCARBONS), 4950-41, UN1993, II. (DOC HYDROCARBONS), 5, UN1993, II. (DOC HYDROCARBONS), 4950-41, UN1993, II. (DOC HYDROCARBONS), 5, UN1993, II. (DO	IS of this consignment are ful on for transport by highway at ace to reduce the volume and ment storage, or disposal cu. I have made a good lattle	lly and accurate coording to app of toxicity of was trently available after to minimize	ely des and incable and incabl	DEC	2 2	astos Lielec S V C S V	Above 0
R	ROWASTE FLAMMABLE LIQUIDS N.O.S. HYDROCARBONS) 3, UN1993, II. (DOC HYDROCARBONS) 11. (DOC HYD	IS of this consignment are ful on for transport by highway at ace to reduce the volume and ment storage, or disposal cu. I have made a good lattle	lly and accurate coording to app of toxicity of was trently available after to minimize	ely des and incable and incabl	DEC	2 2	astos Lielec S V C S V	Above O
H. Y. H.	ROWASTE FLAMMABLE LIQUIDS N.O.S. HYDROCARBONS) 3, UN1993, II. (DOC HYDROCARBONS) 11. (DOC HYD	Is of this consignment are lut on for transport by highway at ace to reduce the volume and ment storage, or disposal cu. I have made a good faith of Safety—Kleer	lly and accurate coording to app of toxicity of was trently available after to minimize	ely des and incable and incabl	DEC	2 2	astos Lielec S V C S V	Above of the class
SPORT	RO WASTE FLAMMABLE LIQUIDS N.O.S. HYDROCARBONS). 3, UN1993. II. (DOC HYDROCARBONS). II. (DOC HYDROCARBONS)	Is of this consignment are ful on for transport by highway at ace to reduce the volume and ment storage, or disposal cu.  I have made a good faith or Sefety-Kleer	lly and accurate coording to app of toxicity of was trently available of to minimize the coordinate of	ely des and incable and incabl	DEC	2 2	1998	Above classes mana Date Date
SPORTER	RO WASTE FLAMMABLE LIQUIDS N.O.S. HYDROCARBONS). 3. UN1993. II. (DOC HYDROCARBONS). II. (DOC HYDROCARBONS)	Is of this consignment are ful on for transport by highway and and the reduce the volume and ment storage, or disposal cu. I have made a good faith of Sefety-Kleer    Signature   Signatu	lly and accurate coording to app of toxicity of was trently available of to minimize the coordinate of	ely des and incable and incabl	DEC	2 2	1998 The best with the best wi	Above classes mana Date Date
SPORT	RO WASTE FLAMMABLE LIQUIDS N.O.S. HYDROCARBONS) 3, UN1993, II. (DOC HYDROCARBONS) 11. (DOC HYDROCARBONS) 12. (DOC HYDROCARBONS) 13. (DOC HYDROCARBONS) 14. (DOC HYDROCARBONS) 15. Special Handling Instructions and Additional Information a. F003, F005  16. GENERATOR'S CERTIFICATION 1 hereby declare that the content packad, marked, and labeled, and are in all respects in proper condition of the content packad, marked, and labeled, and are in all respects in proper condition of the content packad, marked, and labeled, and are in all respects in proper condition of the content packad, marked, and labeled, and are in all respects in proper condition of the content packad, marked, and labeled, and are in all respects in proper condition of the content packad, marked, and labeled, and are in all respects in proper condition of the content packad, marked, and labeled, and are in all respects in proper condition.  If I am a large quantity generator, it certify that I have a program in play practicable and that I have a	Is of this consignment are ful on for transport by highway at ace to reduce the volume and ment storage, or disposal cu. I have made a good faith of Safety—Kleer Signature  Signature  Signature	lly and accurate coording to app d toxicity of was rirently available affort to minimize (NE)	cly des in the classical control of the classi	DEC DEC DEC DEC DEC DEC DEC DEC DEC DEC	2 2	1998 In the best with the best	Above classes mana Date Date

COPY>B: GENERATOR RETAINS



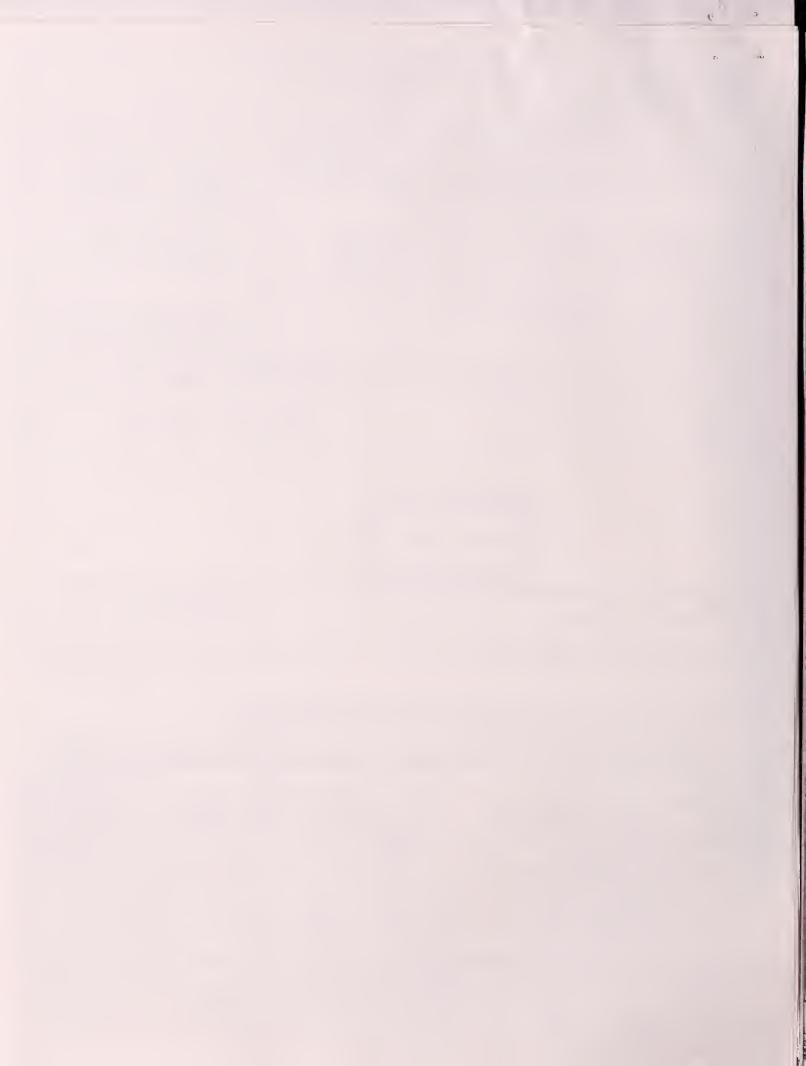




# COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF HAZARDOUS MATERIALS

One Winter Street Boston, Massachusetts 02108

Please print or type (Form designed for use on elite (12-pitch) typewriter Generator's US EPA ID No. UNIFORM HAZARDOUS Page 1 Information in the shaded areas MAV003012112 is not required by Federal law WASTE MANIFEST State Manifest Document Numbe Generator's Name and Mailing Address Allin. Mr. Robert Maggiani MS 3417 7840 MAK 101 Lovell St. Buzzards Bay, MA 0254 Wilmington, MA 01837 978 657 3696 Generator's Phone ( State Trans ID Clianspormera Formany Name. Sorvices, Inc. MAINUS, EPF 10 Number 781 819-1800 US EPA ID Number Transporter 2 Company Name State Trans ID US EPA ID Number Designated Facility Name and Site Address Transporter's Phone ( Clean Harbors of Braintres Inc 385 Quincy Ave Braintree, MA 00184 State Facility's ID NOT REQUIRED MADW5 34526 37 समय असे Facility's Phone ( 13 Containers US DOT Description (Including Proper Shipping Ivam Waste No. NO Type Quantil NON DOT REGULATED MATERIAL (FILTER WATER), NON DOT NATH HAZARDOUS. NONE. NONE 0 1998 **ENVIRONMENTAL PROTECTION** J. Additional Descriptions for Material's Listed Above finicities physical state and mazero cook.)...... K. Handling Codes for Wastes Listed Above 100 Same and the Same and the same of the distriction of the property of the property of the part and the part ıb. 15. Special Handling Instructions and Additional Information IN EMERGENCY, CALL CHES 1-800-645-8265 WON D1134107 16. "BENERATOR'S CERTIFICATION. It hereby declare that the contents of this consignment are fully and accurately described above by according to applicable international and national government regulations If I am a large quantity penerator, a settley that I have a program in place to reduce ment OR, #1 am distribition mittly perietrator, I have thade a good talth effort to minimize my waste of Dale met the Month Day Year The property of the second of the second acitus Oeras, or Operand. Certificapop of receipt of hazantipus ynaterials constreed by this manus at except as goled to certific



THE PARTY OF THE P

P.O. BOX 19276

SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761

FOR SHIPMENT OF HAZARDOUS AND SPECIAL WASTE

State Form LPC 62 8 81 IL532-0610 EPA Form 8700-22 (Rev. 6-89) Form Approved OMB No 2050-0019 Expires 9:30:96 (Form designed for use on elite (12-pitch) typewriter.) PLEASE TYPE 1. Generator's US EPA ID No Manifest Information in the shaded areas is not required by Federal law but is required by filmois law. UNIFORM HAZARDOUS WASTE MANIFEST M A D 0 0 1 8 6 3 9 4 3 3 daxtonnaystems question Attn.Mr. Robert Maggiani MS3017 A. Illinois Manifest Document Number Location If Dilferent 201 Lowell St. 201 Lowell Street Wilmington, MA 01887 Wilmington, MA 01887
4 '24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS 800-645-8265 B. Illinois Generator's US EPA ID Number C. Illinois Transporter's ID 5. Transporter 1 Company Name M A D Ø 3 9 3 2 2 2 5 0 P617 849-1800 Transporter's Phone Clean Harbors Env. Services, Inc US EPA ID Number E. Illinois Transporter's ID 7. Transporter 2 Company Name F. (330)533-984 | Transporter's Phone CHD OC9865835 DART TRUCKING CO INC US EPA ID Number G Illinois 9. Designated Facility Name and Site Address H. Facility's Phone 3 1 6 0 0 0 5 1 Clean Harbors Services Inc 11800 South Stony Island Ave Chicago, IL 60617 ILD000608471 (773) 646-6202 12 Containers 13 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) Total Unit Waste No. Type Quantity WiVol EPA HW Number a HAZARDOUS WASTE SOLID, N.O.S. (LEAD, SILVER), 9, XXDBBB NA3077, III 007 Om 0, 0; 1,5,0 P EPA HW Number b RO, HAZARDOUS WASTE LIQUID, N.O.S. (SILVER), 9, XXDDUT NA3082, III Authorization Number 10 10 P 00 0 15 G HAZARDOUS WASTE LIQUID, N.O.S. (SILVER, AMMONIUM THIOSULFATE), 9, NÃ3082, III XXDøuu 00108 0001562 d RQ, HAZARDOUS WASTE LIQUID, N.O.S. (SILVER), 9, XXDonn NA3082, III 0,0,0,50 6 ABUDRI Handling Codes for Wastes In Item #14 L Additional Description for Materials Listed About 11a CH015628 DØ11 116 U42761 110 U42846 (From I-3 RAMPC 10 gallons in 15 gallon Own) 11d U42763 (15 gallons in 20 gallon Drum) 15. Special Handling Instructions and Additional Information wo# D160668 16 GENERATOR'S CERTIF CATON: Thereby declare that the group of this consignment are fully and accurately described above by proper shipping name and arc inclassified, packed, marked, and so and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I cermy that I have a program in be economically practice NAVIR IN MAY PAROPRIA. place to reduce the volume and toxicity of waste generated to the degree I have determined to method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to hunder heath and the appropried a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. Printed/Typed Name Month Day 308 17. Transporter 1 Acknowledgement of Receipt of Materials Date Month Day Year Printed/Typed Name Signature 1430 97 18. Transporter 2 Acknowledgement of Receipt of Materials Date Printed/Typed Name Month Day ideis F CLINE 19. Discrepancy Indication Space 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 49. Printed Typed Name an Harbors has appropriate permits for to will accept the waste the



State Form LPC 62 8/81

FOR SHIPLIENT OF HAZARDOUS AND SPECIAL WASTE

LEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

11.532-0610

EPA Form 8700-22 (Hev. 6-89)

Form Audroved OMB No. 2050-0039, Expires 9-30-96

A LINIEDDM HAZADDONE 1 ... 1 Generator's LIS EDA ID No Manifest ENVIRONMENTAL PROTECTION AGENCY DIVISION OF LAND POLLUTION CONTROL STATE OF ILLINOIS FOR SHIPMENT OF HAZARDOUS P.O. BOX 19276 SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761 AND SPECIAL WASTE LPC 62 8/81 IL532-0610 State Form EPA Form 8700-22 (Rev. 6-89) (Form designed for use on elite (12-pitch) typewriter) Form Approved OMB No. 2050-0039, Expires 9-30-96 PLEASE TYPE 1. Generator's US EPA ID No Manitest 2 Page 1 Information in the shaded areas is not required by Federal law, but is required by Illinois law UNIFORM HAZARDOUS WASTE MANIFEST M A D Ø Ø 1 8 6 3 9 A. Illinois Manifest Document Number 3. Chertmonna Systems Gorporation Attn.Mr. Robert Maggiani MS3017 Location If Different 48 IF APPLICABLE 201 Lowell St. 201 Lowell Street B Illinois Wilmington, MA 01887 Wilmington, MA 01887 Generator's ( 4 24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS 800-645-8265 In US EPA ID Number 6 Illinois Transporter's ID 5. Transporter 1 Company Name Transporter's Phone MAD03932225 P617 849-1800 Clean Harbors Env. Services, Inc US EPA ID Number E. Hinois Transporter's ID R Innsporter 2 Company Name 100)452-4192 Transporter's Phone G. Illinois 9. Designated Facility Name and Site Address Facility's Clean Harbors Services Inc H. Facility's Phone 3 1 6 0 0 11800 South Stony Island Ave Chicago, IL 60617 (773 646-6202 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) 12 Containers Total Unit Waste No. Type ₩ι∕Vol Quantily EPA HW Number WASTE ALCOHOLS, N.O.S. (ISOPROPANOL, SEC-BUTANOL), X X to lo lo la la Authorization Number 3, UN1987, II EPA HW Number b WASTE ACETIC ACID SOLUTION, 8, UN2789, II XXtp lo lo 12 0000 C SODIUM SULFITE BASED DEVELOPER NON D.O.T. REGULATED 0,00010 EPA HW Number Authorization Numbe K. Handling Codes for Wastes Listed Above In Item #14 J. Additional Description for Materials Listed Above 11a U42753 1X15 From J-3 RANGE 1X15 From J-3 RANGE 11b U42817 11c 042816 15. Special Handling Instructions and Additional Information wo# D155736 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree t have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and tuture threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. Date Printed/Typed Name Month Day Year 17. Transporter 1 Acknowledgement of Receipt of Materials Date Month Day Year rigled/Typed Name Transporter 2 Acknowledgemen of Receipt of Materials Printed Typed Name Signature 19. Discrepancy Indication Space Sect-11c-

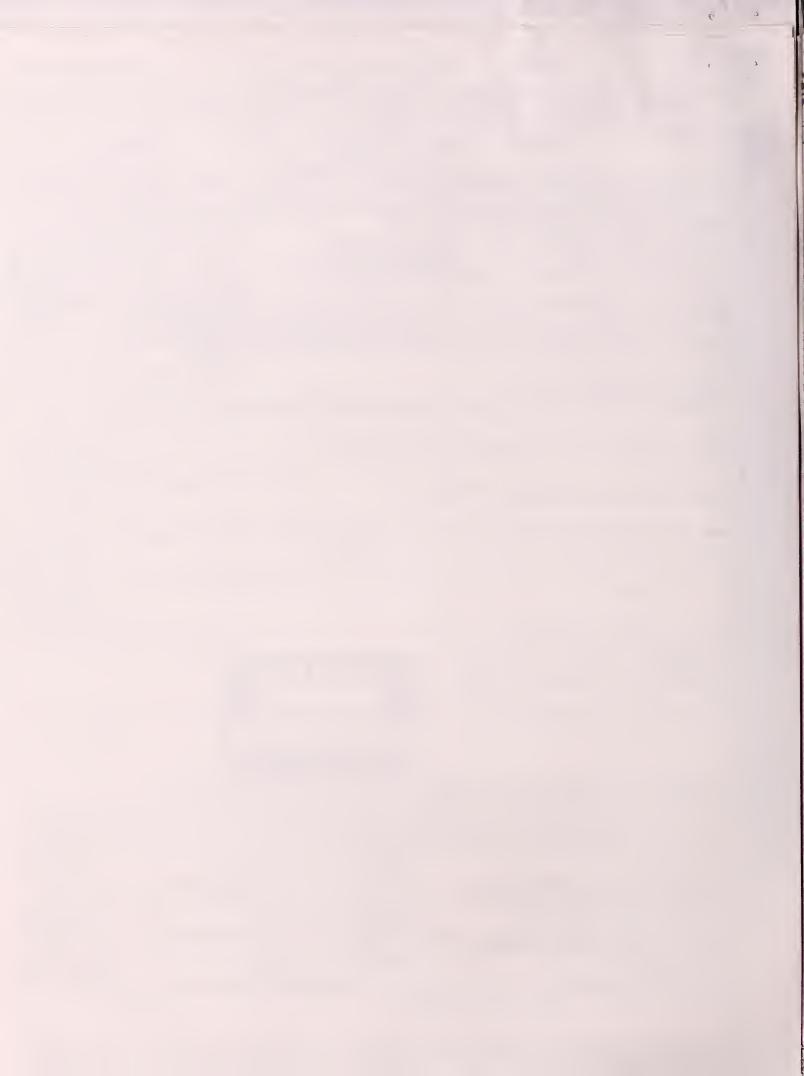
.....Date

20. Facility Owner or Operator-Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

DENSONTIMEN Nome

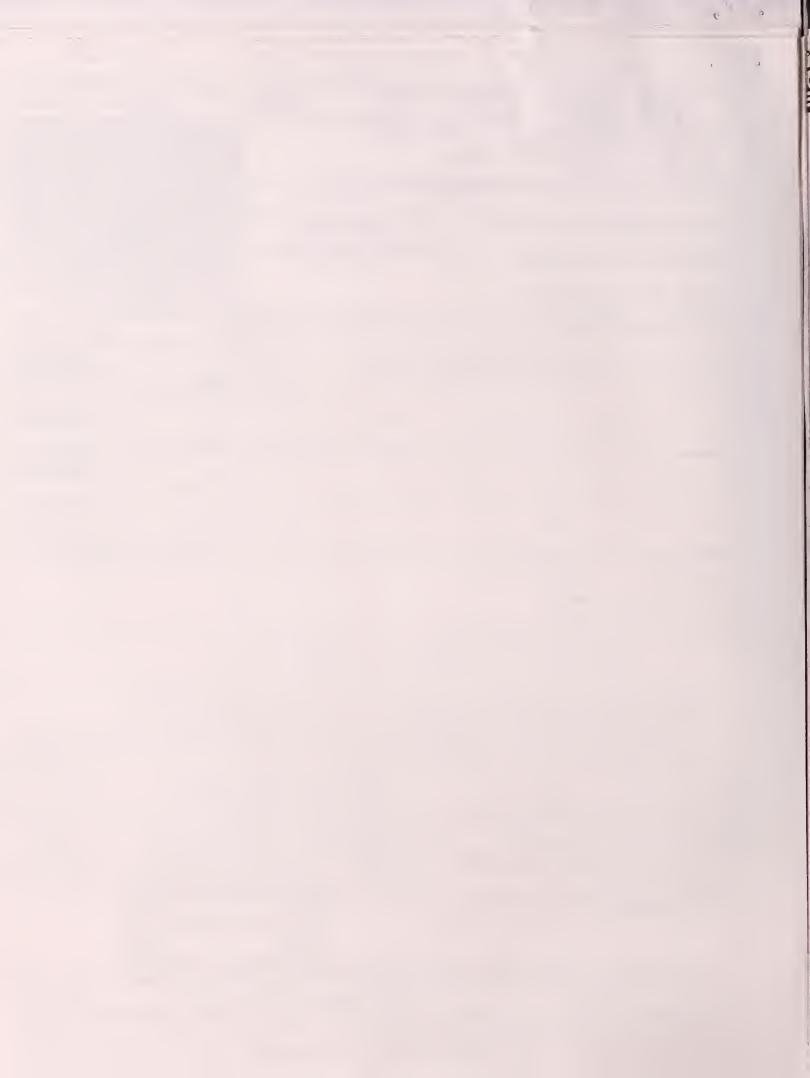
1

Signature





Clean Harbors has appropriate permicopy first Mail to GENERATO Haste the generator is the point.



HIE! L ENVIRONMENTAL PROTECTION AGENCY DIVISION OF LAND POLLUTION CONTROL STATE OF ILLINOIS FOR SHIPMENT OF HAZARDOUS SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761 448387 PO BOX 19276 15-303 AND SPECIAL WASTE State Form LPC 62 8/81 1L532-0610 EPA Form 8700-22 (Rev. 6-89) PLEASE TYPE Form Approved OMB No. 2050-0039. Expires 9:30:96 (Form designed for use on elite (12-pitch) typewriter; Manifest 2 Page 1 Information in the shaded areas is not required by Federal law but is required by 1. Generator's US EPA ID No UNIFORM HAZARDOUS MAD001863943 69158 WASTE MANIFEST Illinois Liv A. Illinois Manifest Document Number 3. Generator's Name and Mailing Address Textron Systems Division Location If Different FEE PAID IF APPLICABL 201 Lowell St AT:George Stand Wilmington, MA 01887 B Illinois Generator's O 4 \*24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS 800-645-8265 ID US EPA ID Number Illinois Transporter's ID 5. Transporter 1 Company Name MAD039322250 D317 8)19-1800 Transponer's Phone Clean Harbors Env. Services, Inc US EPA ID Number E. Illinois Transporter's ID 7. Transporter 2 Company Name 0. MOPOS502799 Transporter's Phone Ry State MotoR TRaws G. Illinois 9. Designated Facility Name and Site Address Facility's Clean Harbors Services Inc H. Facility's Phone 11800 South Stony Island Ave 1 1 1 0 0 0 0 6 0 8 4 7 1 (312) 646-6202 Chicago, IL 60617 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) 12 Containers 13 Total Unit Waste No. Type Quantity WIVO EPA HW Number XXnanu WASTE PAINT RELATED MATERIAL (DOWL) , 3, UN1263, 11 Authorization Number 3.0  $0 \circ 1$ DW b WASTE FLAMMABLE LIQUIDS, N.O.S. 3500, ACETONE), 3, UN1993, II (methylekylketore, XXnoon Authorization Number EPA HW Number XXnoor WASTE ACETIC ACID SOLUTION , 8, UN2/89, 11 d HAZARDOUS WASTE SOLID, N.O.S. (CHROHNA MYLENE), 9, NA3077, 111 1,0,0 J. Additional Description for Materials Listed Above K. Handling Codes for Wastes Listed Above D035,F003,F005 -11a U42818 11b U42819 11c U42817 1035, F003, F005 D005, D007, D008, D035, F003 -11d CH015622 15. Special Handling Instructions and Additional Information HIR PROTECTION wo# D137284 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good tallih effort to minimize my waste generation and select the best waste management method that is available to me and that i can afford Month Day Year Printed/Typed Name Date 17. Transporter 1 Acknowledgement of Receipt of Materials Month Day Pythied Typed Nam Signatu 10109 18. Transporter 2 Acknowledgement of Receipt of Materials Month Day Printed/Typed Name Signatul 101496 add 1800 723-1786 19. Discrepancy Indication Space 15/3 Sec F Maggine 11-18-96 Dale . 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19 Printed/Typed Name Signature SHEAHLY



	STATE OF ILLINOIS  ENVIRONMENTAL PROTECTION AGENCY DIVISION OF LAND R	POLLUTION	CONTI	30LMTR		
	P.O. BOX 19276 SPRINGFIELD JLLINOIS 62794-9276 (21	7) 782-6761	1	りまり唇で	儿园	小小区
7		32-0610 1	<b>/</b> \	orm Int val One	<b>a</b> 2067	
Ė	LINES DALLA ZA DOUIS 1 Generator's US FPA ID No	Mandest		age Information	b <sub>in</sub> l <sub>n</sub>	e shauco areas
	WASTE MANIFEST MAD 0 0 1 8 6 3 9 4 3 16	7/57		equired b llinois law	y Feder	al law, but is required
1:	3. Generator's Name and Mailing Address Location If Different		A. III			Number 7 FEE PAID
	Textron Systems Division 201 Lowell Street At:George Stame:		11	7269	15	IF APPLICABLE
1	Wilmington MA @1887		B. III	enerator's ( /)	1	00000
1	4 *24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS 803-645-8265		ID	1791	20	019979
:	5. Transporter 1 Company Name 6. US EPA ID Number		-	nois Transporter's		11478
-	Clean Harbors Env.Services, Inc. MAD 0 3 9 3 2 2 7 Transporter 2 Company Name B US EPA ID Number	2 5 9		7 8N9-1800 Inois Transporter's		ansporter's Phone
	I RI State Motor Transit Co. 1 MON 095038	902	F. (	)		ansporter's Phone
+	Designated Facility Name and Site Address 10 US EPA ID Number	<del></del>	G. III			
			F	acılıty's	1	
	Clean Harbors Services Inc 11800 South Stony Island Ave		H. Fa	acility's Phone		
L	Chicago, IL 60617   1 L D 0 0 0 6 9 8			312) 646-629		
1	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Cont.	ainers	13 Total	14 Unit	I. Waste No
		No	Туре	Quantity	Wt:Vol	EPA HW Number
1	a. DIPHENYLMETHANE-4,4'DIISOCYANATH , 6.1, UN2489, III					XXMA 99
-	,	001	DF	1115	6	Authorization Number
	D.		W 1			EPA HW Number
1	NON REGULATED CITRUS CLEANER				0	Authorization Number
L		001	DM	55	0	
1	SODIUM SULFITE BASED DEVELOPER MON D.O.T. REGULATED,					X X M IN E EL
	N/A	001	DF	15	G	Authorization Number
-	AMMONIUM THIOSULFATE BASED PHOTO FIXER NON D.O.T.	001	101	1112		EPA HW Number
'	REGULATED, N/A					XXnnuu
1		001	WF	1.15	6	Authorization Number
1	J Additional Description for Materials Listed Above			Indling Codes for	v aslo	E LISTOC ACOVO
111	11a U42883/ -11b CH015619/ 11c U42816 from 5-3 range					
	11.d U428464 from J-3 range					
	15 Special Handling Instructions and Additional Information					
					WO#	D137284
	16 GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are tully a					
	proper shipping name and are classified, packed, marked, and labeled, and are in all respects in pro- according to applicable international and national government regulations.	per conditio	1 for tra	nsport by highway		
	If i am a large quantity generator, I certify that I have a program in place to reduce the volume and be economically practicable and that I have selected the practicable method of treatment, storage, or	r diaposal ci	irrently	avallable to me whi	ich mir	imizes the pre:
	and tuture threat to human health and the environment; OR, If I am a small quantity generator, I hav select the best waste management method that is available to me and that I can afford	e made a g	ood taiti	effort to minimize	my wa	ste generation
1	Printed/Typed Name Signature/) /	-				Month Day
	John taring the 2	Enne				10,09
	17. Transporter 1 Acknowledgement of Receipt of Materials					Date
	Printed Typed Name Signature Signature	7/11	()			Month Day
L	TELEK DHILLORAN 161	للك	مد			10101
-	18. Transporter 2 Acknowledgement of Receipt of Materials	γ				Month Day
	Printed Typed Name Signature	V,	7			Month Day
	19. Discrepancy Indication Space 400 1513 F-807-73V - 1700 16 731	MARARA	A	30. T - N.		
	THE NIE WIND	20000		20-00	ØF3	
	REMANIFEET GNET MAN , 11 (C) TO ALTELANTE MANIE	ar i	72	8523 G		
	Control of the contro					
-	20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this man	illest excep	no	led to turn 19.	1	Date
	Printed Typed Native Signature					Month Day Year
Th	Spency is authorized to require furnished to Minous Herned Statuse 1989 Chapter 111 100 securit like and	1021, that die	WAOTE .	for be submitted to	Ino Ana	TO S FEBRUA TO Provide Spring
	Apency is identificated to require cursuant to Minore Hevised Statute 1989. Chapter 111 17 secure 100 and inclination snay result in a toky penalty against the owner or operator not to record 25,000 for day of work raise of another than the penalty against the owner or operator not to record 25,000 for day of work raise of the penalty against the owner or operator not to record 25,000 for day of work raises and approved by the forms. Myselfiernent Center				12.00	Mrs. 10 360 000
ea	n Harbors has appropriate permits for will accept the	waste	the	generator	社的生	
154	THE CONTRACT OF THE CONTRACT O					







### DEPARTMENT OF ENVIRONMENTA.

DIVISION OF HAZARDOUS MA

One Winter Street Boston, Massachus.

				Please on	nt or type	(Form o	designed for use	on elite (1	2-bitch) typewril-	er
	UNIFORM HAZARDOUS WASTE MANIFEST	1 Generator's US EPA ID	No	Manifest Doc	_				he shaded areas by Federal lay.	
				<u> </u>	1	A. S	State Manifest Doc	ument Nu	moer	
	3 Generator's Name and Mailing Add	mess Little tropp billioner		r.			MAJ ?	36	714	
	(35) (45) 7 2y 77	C 200 Lowers Str Wilmington, MA	**************************************			B. S	State Ben ID		-	
	4 Generator's Phone ( K ! T)	Land Danier Alle at . " 1811;			1	C. 5	State Trans 10			-
	5 Transporter 1 Company Name	X ( 5 ) 11	1007.675.43				+4/	13/8/	1314	
	7. Transponer 2 Company Name		E USEP	A ID Number			Transporter's Phon State Trans, ID	e (u · 1)	3.7	-
	Designated Facility Name and Site	Adoress	10 US EP	'A ID Number					:	
	., ., ., ., .,					F. T	ransporter's Phon	e ( -	) :	
	Contractions Of English Contractions	Tablifet The				G. 5	State Facility's ID	NOT R	EQUIRED	
	Principles, NV 62151		L Market of	5.00		H. ' F	acility's Phone (	617 8	(40-1807	
					12. Conta		13	14	1.	П
	11. US DOT Description (Including Pi			per)	ОИ	Туре	Total Quantity	Unil Wt∕vol	Waste No.	_
G	a monthymentally Hara Northyleda, e. the	MICAS PARTINGS MB2. Lil	a i mud	CR.	M	DK	55	6	LWM8	
7	Populari Serio III LASIA	PENELLINE IL INCHES	14.15 idea	m. arb)		DI	15	()	MILDA	7
R	SODIUM SULFITE BASE	O DEVELOPER NOW.	DOT REGUE	LATED NA	1	., ,				
A	C AN CHAM THIOSULPATE						, ,-	0	MASS	
ò	Par CLATED, N.A.				1	DE	15	(-,		
R						L):				λ
			***************************************					<u> </u>	197.99	
	THE TEST OF ACT IN	TION WAS SOLT	RESULATED	. N A	1	DH	30	5	TEAN.	
	J Additional Descriptions for Materials L	stad About (include physical st	late and hereof co	70.1				1/221-21	Antari Abovo	$\dashv$
	(1) (E)	i (L)	J-3 Ra	nce	,	X. 1181	Si Oi /	<	5,0,2	
	(L) To 25 Do 204	W 324 7 7	7 104	7	, ;	- A. ~			1	
	b. 3.3. Ponge	Air d			1	b. <u> </u>	201	d. —	11011	_
	14 Special Handwing Instructions and A 110 1142816 WITE 1112846	ine stery 118	10GABON	CIM 15	and low	ソーフ	MI CHEST	1 800 Vor [	1-011-1ANU 1123162	
	16 GENERATOR'S CERTIFICATION: I her	by declare that the contents of this o	consignment are fully	and accurately de	scrued above	by	11414			$\dashv$
	proper shipping name and are classified, according to applicable international and	peciust, meried, and labeled, and el national government regulations.	re in all respects in pi	roper condition for	transport by h	ighway				
	If I am a large quantity generator, I sentity and that I have selected the practicable n	nethod of treatment, storage, or disponent	ceal currently availab	le to me which mir	virnizes the pre	sent and	biture threat to huma	n beath an	d the environ-	
	ment, OR, if I am a small quantity general can afford	tor, I have made a good faith effort to	minimize my waste	generation and se	Hect the best w	este mar	nagement method the	is evallabl	e to me and that i	
		•			1	1	1 1%	/ _	Date	
	Printed/Typed Name	-1.11	Signatu	21/11	11.1	1.6	- 18	Mol	nth Day Yea	
	14 KAME!	PMISIN Y	//	11 12	ract	115	and the	10	405 90	4
R	17. Transporter 1 Acknowledgement of PrinteMTyped Name	Receipt of Malerials		<u></u>	7 7				Date	
1	TELET OF	HAMORAH	Signatu		VIL. 1.1	. +	· ·	Mor	1. 0 . 4/	
ğ	18. Transporter 2 Acknowledgement of	Receipt of Liebonials		<u>U XXII</u>		$\sim$		10		4
Ř.	Printed/Typed Name	CAR PAR	Till John tu	re .		r -		Mot	Date	7
E	1,500 150010		13 n		. · +	-1	i .		1 4 4 4	-
	19. Discrepancy indication Space	S New York of the State of the	* 3	1-6	. 4	L, 19.	4		711	
A		1 2 0	<b>36</b>				· ·			
		100		-		200				
à	.20. Facility Owner or Operator: Certific		enertate covered b	y this manifest o	except as no	ted in the	em 19. /		1 =	7
Ţ,	一次 日本の一大学 一大学 大学 大		OTECTION	*		٠			Dete	_
Ţ	Printed/Typed Name		- Signatu	re //	-	77	1//	Mon	th Day - Year	7
	CHICKY SEE HUW	能力學。詳顯	¥ + + + 3	150	المراجعة	No.	الم المالية	10	50491	2







#### DEPARTMENT OF ENVIRONMENT DIVISION OF HAZARDOU'

ACITCATO. RIALS

One Winter Street Boston, Massachusetts 02108

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

47

ΠA

E16913

COPY>4: FACILITY RETAINS

	· · · · · · · · · · · · · · · · · · ·	i lease pili	11 07 17 00		Jestaffed for esc		
UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No	Manifest Doct		2		mation in the trequired by	shaded areas Federal law
		005	210		State Manifest Do	cument Numb	per .
Generator's Name and Mailing Ad	, instron indiama Din	15 ton			MAJ	2387:	13
(528) 657 2471	Wilmington, MA 0:88	·/		B. 3	maken ID		į
4 Generator's Phone (*) 1	Manual Manual Ma	Epiant Misse	17	C. 5	State TranselD.	<u> </u>	
5 Transporter 1 Company Name	orvices, inc. 16 MAD	US EPA ID Number		7	777	198110	514
7. Transporte: 2 Company Name	8.	US EPA ID Number			Fransporter's Pho	ne (Ce III	117.17
				JE \$	State Trans. ID		1
Designated Facility Name and Site		US EPA ID Number		F., 7	ransporter's Pho	ne ( : )	+ +1
- (Mean Hambons Of Bri 1885 (Wilney Avenue	eintree Inc			G. :	State Facility's ID	NOT REO	UIRED +
Brushitee, NA 02164	MAD	013452650		H. F	acility's Phone (	627) 84	9-1607:
11. US DOT Description (Including P	roper Shipping Name, Hazard Class and I	D Number)	12 Con	1	13. Total	14. Unit	t. Waste No.
£			NO	Type	Quantity	TWEVOH-	1002
WASTE ACREES ACID SC	OLUTION , 8, UN2789, I	1	1	DF	15	G	
	D. N.O.S. CHIEMIUM, (	COUPLAN, 9,				1	DA67 ;
1253077, 111		·	1	DA	200	P	
C HAZARIDUS WASTI LICE	JID, N.O.S. (811VH.),	9. NARMER					D011 .
iii		,	1	DF	30	6	
C RO, HAZARD XIS WASTE NA3082, 111	LIQUID, N.O.S (CHIAN	1UM), 9,	,	77			0067
			/	UF	55	6	72.8
J. Additional Descriptions for Malerials L	sted Above (include physical state and his Articles (L) (E)	trand code.)		K. Hai	nding Codys for	Master List	100
(B) (B)	TO CONTROL OF THE PARTY OF THE		1	100	501	1.5	0/
11b U42893 11c U42766 No / C	and the second second	galbas in	15 g	,	A DIAKA	4-800-0 *********************************	01L-TANE 23162
16 GENERATOR'S CERTIFICATION. I her	reby declare that the contents of this consignment, peoked, merked, and labeled, and are in all responses to the content of th	t are fully and accurately de lects in proper condition for	scribed above	highway			-
If I am a large quantity penerator, I setting	that I have a program in place to reduce the voice	urne and toxicity of waste p	enerated to t	he degree	I have determined t	be economical	ly practicable
ment, DR, it I am a small quantity general from the form of the fo	method of treatment, storage, or disposal current stor, I have made a good taith effort to minimize n	y available to the which min ny waste generation and se	entine best	waste ma	liture threat to hun nepement method tr	an health and it at is available to	me and that I
y land				1801	- 11		Date
Printed Typed Name	Kenkley	Signature	1	The state of	ille.	Month	Day Year
17. Transector 3 Acknowledgement of	Fieceipt of Materials	J F CAPA		ZIA!	was of	010	Date:
Printed Opped Name ONLA	BUONAN	Bignature	<b>J</b> IVY		1	Month	60519 Year
NE. Transporter 2 Advisowledgement of	PROFESSION OF THE PROPERTY OF THE PARTY OF T	Skrawes	Add Comments of	94 JA 1	7	Month	Date Year
The state of the s		計	學一個軍	7.0	1 1	A LONG	
18. Discrepancy Indication Space	A STATE OF THE STA	<b>州,是见了</b>	4.5		The second	Control Total	<b>设施</b>
		上"是"。	7	Jac K	4		
120. Facility Owner or Operator: Certity		rened by this markest a	noepi se n	oted in it	om 19 styl	EMELTING.	NO THE STREET
是一种,但是一种。 用。 是多国家的			A PARTY		1	A SHARE	MD to Delay
Frinted Typed Name	<b>二、心态性性以及其构成的类型</b>	252		4	100		



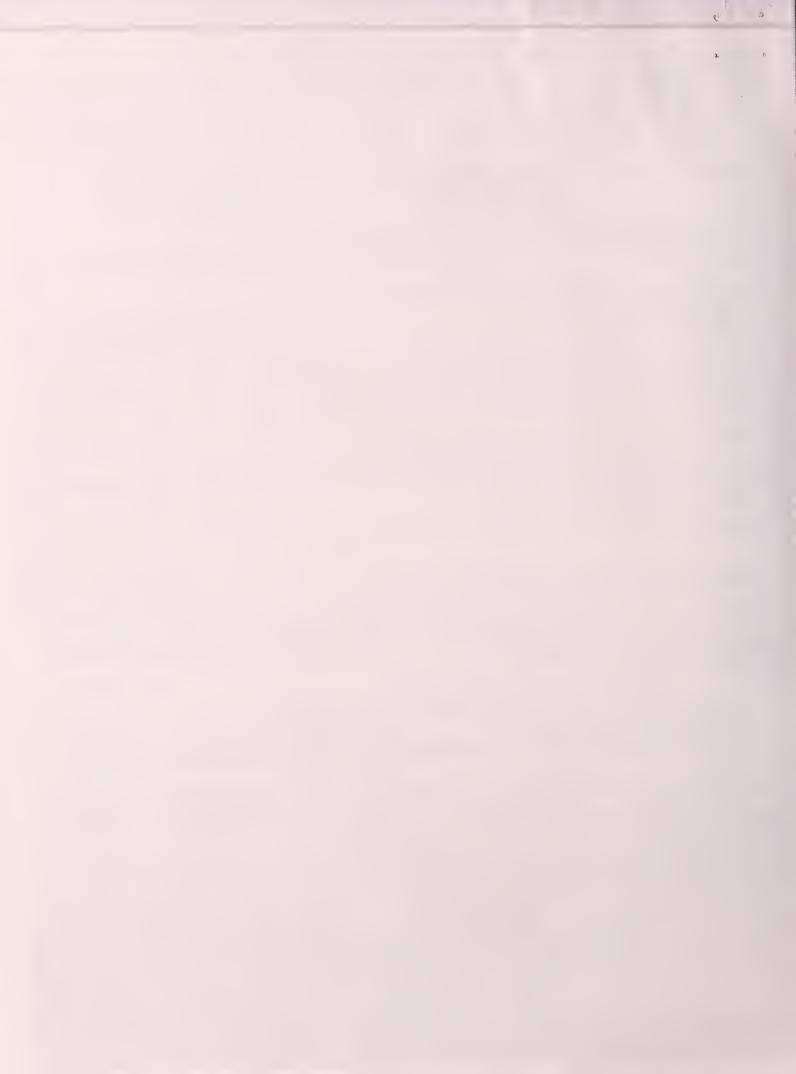




#### COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF HAZARDOUS MATERIALS

One Winter Street Boston, Massachusetts 02108

P 1 6				<del></del>			
UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA 10 No. KIADOO 1 BOOD 43	Manifest Dree		10		t regunec	the shirtest area in by Federal law in the second law in the secon
	ress TEXTHON DEFENSE SYSTE ATTN: RUDY LONGO M/S 201 LOWELL STREET WILMINGTON, MA 01887	MS 3017		B .5:	MAJ ( BV GEOWELL LLIGHNETON	307. STHE	520
4 Generator's Phone 500-657-	5 US	EPA ID Number		7	tale Transi, ID		
5 Transporter I Company Name CLEAN HAREORS ENV.	SERVICES, INC.	MADO 19322.	250		1111-119	50	
7 Transporter 2 Company Name		EriA ID Number		D T E 5	ransporter a Pho tate Trans (C)	ner 67	73491202
9 Designated Facility Name and Site CLEAN HARBORS OF B		EPAIL Number		F T	ransporter a Pho	ne (	)
395 QUINCY AVE		MADØ5345	2637	G. S	itatii Facility s ID	NOT F	REQUIRED
ERAINTREE, MA 0218	1			H. F	acility's Prione (	617) <sub>1</sub>	849-1867
LICE DOT Description (Including Re-	oper Shipping Name, Hazuid Class and ID No	un'ieri	12 Cont	iners	1.: Total	14 Unit	I. Waste No
			NO	Type	Cuantii	Wive	
* ETHYLENE GLYCOL SOLU N/A	TION, NON D.O.T. REGULA	TED, NONE	1	DM	5	G	M4.99
I NON-D O T REGULATED	AQUEOUS CLEANER, NONE,	N/A				+	HV09
1017 27.011. 12.002.11.22			1	DY	55	G	
C ANDONHUM THIOSULFATE	BASED PHOTO FIXER						M409
NON D.O.T. REGULATED	, NONE, N/A		2	DF	30	G	
						· <del> </del> -	
C							
							and product the
J Addiyonal Descriptions for Materials L	ated Above (include physical ture and hazare	d code		K. Har	ndling Cones to	Wastes	Listed Above
Salt State Down and	1 March 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SAMPE		A.	101	65	6 11 c
a. To surface the Profession in the Property	the resulting and the state of the factor of the state of	SARABET STATE CO.	COLPRAL EST	7 - 101 - 1 - 100 -	The second of th	73 - 19 - 4 10 - 2	The Transfer
18 H142825	All regions the result and amount of the statement of the	ভি: ক্ষমীন্ত্ৰক নাম্ৰাপ্তসূচীনিকা কলে 	ASTONE !	70.20	1 - 1 -	- J.E.	( white and with a wine
15 1849 peopp Handling Instructions and A	additional Information	o opinia o no no ne se seri	46	<u>.</u> -			
Emergeno	y Contact: 4-800-01L-TAP		The second	Springer 1	्रें हैं।	WOE	1 D12588
16 OCNERATOR'S CERTIFICATION There	by decians that the contents of this consignment are	July and accurately de	soffood abov	u by	The second second		The state of the s
properantoping name and are classified, according to applicable international and	packed, marked, and labeled, and are in all respects.	in proper condition for	Hansport by	nighway weith a	Mr. of Profes	E 40	
	emiles of recommend application of the second in event lines.						
	or, I have made a poor lattit efron to minimize mywe						
	E	man parada a de man al dia de	B-Galley	10 m		1	Deln
Printed Types Name	TROWRIGG	July 1	ALLO	K	MALLE	2	5,05
4.47. Imperonera Acknowledgement of	Receipt of Materials	The state of the s		Si Richard		SULTRUS US	Consideration DELIGNARY AND
Hinted Typed Name	<b>一种一种一种一种</b>	inter Na 01	11	1	The Bridge	1000	lonitri Day S. X.
1 OEVINOUS X	A STATE OF THE PARTY OF THE PAR	A PART	12	To Solice!	是扩展的		MACHE
18. A rangeomer 2 Acknowledgement of	er - manten al la		nema destruction		Harris William		tombo "Day "Year
是此时间是	<b>一种 国际地区域区域区域</b>	RIVE IN				2分	
39 Distributory Indication Space	The Part of the Pa	1447	ns the			<b>建</b>	
	in breating					1	
			1140				
The state of the s							
Presport speed haine							
18 18 18 18 18 18 18 18 18 18 18 18 18 1				-			
Action of the Springer of the Springer of the				* 10.75			









### COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF HAZARDOUS MATERIALS

One Winter Street Boston, Massachusetts 02108

				Please prii	nt or lype	Form d	esigned for use	on eide	(12-pitch) typowitter)
	UNIFORM HAZARDOUS WASTE MANIFEST	1. Generalar US EPAJO WALXIDI BUBY	¥3	Manifest Doci		1 0	15 001	тодины	the studed arcus Cby Fador it talk
	3 Generator's Name and Mailing Add	201 LOWELL ST	NGO M/S a REET	NS 18017		B 29	MAJ S	07 STRE	519
	4 Generator's Phone 568-657-	3782	6 US EI	PA IEI Number		C S	State Trans ID		
	5 LIERN HAMBONS, ENV.	SERVICES, INC.	A	MADØ39322	250		70-13-4715 Transporter's Phor		784 <del>61566*</del>
	7 Transponer 2 Company Name	Addings		PA ID Number			ransporter's Phor tate Trans ID	<i>(a)</i> (	
	Designated Facility Name and Site CLEAN HARBORS OF E	BRAINTREE, INC	10 03 11		0607	FΤ	ransporter's Phor	ie (	)
	385 QUINCY AVE BRAINTREE, MA Ø218	34		MADØ5345	2037				REQUIRED
					12. Conta		acility's Phone (1	517) <sub>)</sub>	849 -1827
	11 US DOT Description (Including Pi	roper Shipping Name, Hazard C	Class and ID Num	nb <del>e</del> r)	NO I	Type	Total Quantity	Unit Wt'Vol	Waste No.
	* STATE REGULATED OIL	WASTE, NONE, N/A			2	Dh'		6	MAD1
G E N	B STATE REGULATED OIL	WASTE NONE NIA			<u> </u>	041			MAO1
N E R	STATE REGULATED CITE.	MODIL, MORE, MICA			1	DF	30	G	IVELL/
A T O R	NON-D.O.Y. REGULATED	) ALUMINUM OXIDE	AND WATER	R, NOME	3	DM	165	6	egvw
	O SOUTUM SULFTTE BASED NONE, N/A	DEVELOPER, NON	U.O.T. RE	GULATED	2	DF	30	G	MA99
	STATE REGULATED			57	1. J. 1.	Kilni	ndling Coden for	Wanter	Listed Above
	STATE REGULATED			Panas				6	
1	5 142781	y Contact: 1=800	4 2						D12568
古代原 常日	16. DENERATOR'S CERTIFICATION: \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	'pecked,'merked, and subeled, and si	consignment are full rearrall respends in	y and accurately su proper condition to	necribed above	o by :		4 4	
でも関	R. i am a suppopulating personnel Leville Smittfull 1 selve selected the practicable s small (DE aftern a small guently peneral Destruition)	nethod of treatment storage ror dispr	seel ourserily availa	the to my which my	niname the ar	chart and	f Assure Oxfort to twirt	ary bantou	and the environ
14	Printed/Typed Name Sa		Tront Signal		7.5	To the second		<i>,</i> [	Detri Villear
	***7-*Transport** Acknowledgement of	PEMBRY					and the	2	MEENS
45.0	Stand In the second		(Sprac	1///		(X) 表 :			loom (Ue) Year
L.	46. Francoise P Addrowlet parent o	Flooring of Majorini	THE TAXABLE PARTY.	41300					
	To the disposed Name of the last of the la	THE BEST	A FIRST			在前门	No.	51412	Saint Con Literal
			3 - 3	VIII TER					
4									
	20 N-soling Diviner or Operator Terms		To hines	py Mad married		1, 17			
	A comparation of the second								
T.	是一种特殊的	HANDICE ROLL				AVG B		100	
24	Appropried DIAS		and while	DESCRIPTION OF THE PARTY OF THE	100				100 mg 1 m







### COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF HAZARDOUS MATERIALS

One Winter Street Boston, Massachusetts 02108

1307517

COPY>3: FACILITY MAILS TO GENE,

			Please pri	nt or type	(Form c	lesigned for use	on their	nd protein type	7.1d. 1 )
UNIFORM HAZARDOUS WASTE MANIFEST	Generator's US EPAID	P <sub>A</sub> Z	Manifest Doc		1	ol is no	t require :	the shipped are the Food out law	
3 Generator's Name and Mailing Add	ress TEATHON DEFEN	NOE STOTE	MS 3017		7	MAJ 3	30 7	<b>ぶっ</b> つ	
	201 LOWELL ST	TREET	36) ( 1		B 45	Maie Goli W.E.L.L	STAL	<u> </u>	
Generator's Phone 508 - 657	WILMINGTON, N 3782	M DIBE!			1	LMINGTON	,	<i>⊌</i> 1587	
5 Transporter I Company Name ULEAN FAHBORS ENV.		6 USE	MA BHY 1932 2	250	c s	IAAISTO			
7 Transporter 2 Company Name	001177020,770	L	PAID Number			ransporter's Pho	na ( E 1	<del>र्गेडचे ( न केल्स</del>	
					E. S	State Trans ID , .			
9 Designated Facility Name and Site CLEAN HARBORS OF B	Address RAINTREE, INC	10. US E	PA ID Number		F. T	ransporter's Phor	ne (	)	
BRAINTREE, MA 0216	4 •4		MADØ5345	2637		State Facility's ID		REQUIRED	
		1		·	J	acility's Phone (		649-1807	/
11. US DOT Description (Including Pr	oper Snipping Name, Hazard (	Class and ID Nui	mber)	12. Cont. NO.		13 Total	Unit	I. Waste N.	ن
a RO, HAZARDOUS WASTE	LIQUID, N.O.S.,	CHROMIU	ы), э	100.	Туре	Quantity	WiVol	0987	
NA3082, PGIII					DE	55	G		
WASTE ACETIC ACID SO	LUTION B UN278	39 PGII						0.802	>
E HOLITO TO TO E		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		2	DF	30	G		!
A TOWN BEATTANES AT	WAGATE AND AND			100		- 50			
STATE REGULATED OIL	WASTE, NONE, N/A	•		8	711	11110	_	MADI	
3				0	DM	440	6		
STATE REGULATED OIL	WASTE, NONE, N/A	1			2	_	1	MART	
					UMI	200	1		
J. Androis Descriptions for Materials L	ated Above (include physical	late and nazard	code.)	3	K. Ha	ndling Codes for	Visites	Listed Abr	
	李 编 动闭塞				5		10.	2 1 5	
110	ine de la company			The same of the sa	Callenga .				
D 12450530 Handling thatructions and A	ddilional Information			子(3)	b		130	रेडिस्ट रेडिस	
1b, U42758 #6	Y Contact: 1-BB	LAT IIAL		\$ 15 55 40	, ,		i uno	A D1250	$\sim$
		No (4)	"特殊"		## <u></u>		4 MON	Thirties.	5
16 DENIERATORIS CERTIFICATION disent recipies and an ausebied,	psoked, imerked, and tabeled, and it	construction are have been an all temperate to	by said adoutably of proper spinishen to	escribed above and the second of the second	fagnive;			1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	_
according to applicable international and the first transfer of th	But I have a property in place to re	ducty this williams to	of following means	perferaled to	ne debres	Paive Determined	o be scond	rollinely precion	
and that I have selected the practicable a smeet. OPI, if I are a small queries general	iethod of heatment, blotabo, ot slet lor, i have mede a pood feltriefish.	para bettertably being	ede po me Which in the participation and a	oraci via vias	religions and promise ma	Michael Wrest to his Nageoventrous of	un noniti)	and the provious	
See Marie							Mr. S. Car	Jan Dale	्रीट <b>छ</b> ।
AVIOLAND TO	Sur of				E.		M	arith Day	O'L
to insmeggewonack Changeras (1775)	Receipt of Meterials	THE ALL PROPERTY					programa of	July Wale	Light Land
Production Leid							ng an and	AND THE	104
H. Erminborler, Acknowledgement of	HOLDE HANGE BOOK						四湖47		1000
The second second								orth (DW 1).	
10 Characteron Inscapon Space 17			TO VIEW			Land			
								42.16	9 G
			is not the		Cled in I				
fund yest are	21577 378				17.44		-	onn Pay	
THE COURSE OF SECURITY SECURIT		A STATE OF THE STA	The second					7.14.43	51,12







### COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF HAZARDOUS WASTE

One Winter Street Boston, Massachusetts 02108

					Please print	or type (	Form des	signed for use o	n elda i	12-pitch typewriter
		UNIFORM HAZARDOUS WASTE MANIFEST	1 Generator's US EPA I		Manifest Docu		2 P			the shaded areas by Federal law
1	i		MADOOIS	03943	L002	13_	A St	rate Manifest Doc	omeni î	lumber
l l	-	3 Generator's Name and Mailing Ac					1	ла H 7	30	611
	1	10	XTROH DEFE	1 26 273	TEMS			ate Gen ID		
	- 1	20	I MINICILLST.	7.77.17	LUDY LON	63		SAF	IF	
		Generator's Phone ( SO Y )  Transporter 1 Company Name	( < 7 - 37 82)	40188 /	M/5 3	710	C Si	tate Trans ID	10	
	Ī	5 Transporter 1 Company Name	Colle Capilly C	6 USE	PA ID Number	_		MAI	> > —	~-
	; -	7 Transporter 2 Company Name	ENU SERVICED	AT WE DO	PA ID Ivumper	<del>~~</del>	D 70	ransporter's Phor		
N	-	Transporte: 2 Company Name		1				tate Trans ID		
20	-	9 Designated Facility Name and Sit	6 Andress	10 US E	PA ID Number		-			
χ- <u>1</u> -χ		CELLAN HARBORS OF			#	. ,	' F '71	ransporter's Pho	ne (	)
422			UKAMITEEE , E	10.			G St	tate Facility's ID	NOT	REQUIRED
5		BRAINANKE, MA		IMAMS	31150/-	~ <del>~</del>	H Fa	audity's Phone i		Ca: a . 15
	-					12 Conta		13	1-1	*********
-		11 US DOT Description (Including Pi	roper Shipping Name, Hazari	d Class and ID Nu	mberi	No	Type	Total Quantity	Write	Waste No
nte 	1	3 _ 5	1 01	1			00			
0		NON DOIT Regulati	led Cleaning C	ompount	), Nove		Dr.	1	6	MMO
9	s /	2010	1		_AL/A_		DP	/5		M1799
Suc	ΕΪ	NON DOOT Regula	1 1 1 7 7	1 /	5-5					
Spc	Ē	MAN DON'T REGULA	ted EMDIY L	ONTAINE	PRS	/	DM	200	P	M199
9	FA /	700000	1 ~ 1	DAIR A	IA			000		
<u>e</u> /										
5(!	0	SODIUM SULFITE	BASED DE	veroper,	10010	/	DF	15	6	MAGG
1 2		SODIUM SULFITE DIOIT POPULATE	2D NONE	_N_A_		/	10,1	7 3		
$z_{\parallel}$	-	Ethylone Glyc								14.000
the T	İ	ETHYLETUR BIYE	01 2014 11 01 1	7 1000	<b>5</b> , 5, 1,	1	M	30	6	M 1199
<u>_</u>		Reanly D.	NON6 Y	) [ F ]		1				
l ca		J. Additional Proscriptions for Materials				,		ndling Codes for	,	4 4 4
(e)		a de la companya della companya della companya de la companya della companya dell	and the die	ROM 3.3	P019	<u>e</u> .	E 1 -	21015	c	2011
dia		*	S 10 10 10	1 1 1 2 E	· · · · · · · · · · · · · · · · · · ·					
PL		b. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	के देव को एक विकास			-	ь. 5	51011	С	21015
Ēλ	1	15 Special Handling Instructions and								23 8,11,2
_0	# <sub>[</sub>	U42767 (11C) U4	عاالات			1 +	, ,	800 01	1-1-	EN
वं	1	N 42782(110) 443	1825 Ex	LEBGER	4 LOW	aci	1-5	800 UI		NO.
5		16 GENERATOR'S CERTIFICATION: I here proper shipping frame and are classified	by declare that the contents of the	is configurent are to	unly and accurately	described at	bove by	***		
		according to applicable international and			in prepareonance					-
e L		If I am a large quantity generator, I certify and that I have selected the practicable in								
D		ment; OR, if I am a small quantity general								
emergency		can altord.	s *							Date
		Printed/Typed Name	1 01	Signa	ture	1	20 Fil	1 //	M	ontr. Day Year
0		MICHAPI	IRPMKIAY	-	one	LHA	est	menth	المرعط	14/16/95
case	T I	17. Transporter 1 Acknowledgement of	f Receipt of Materials				-11	A	OI.	.Date
		Printed Typed Name	Hansan L. Land	Signa		100	11	Harry .	- 1	onth Day Year
	6	16. Transporter 2 Acknowledgement of	HILLORAN	*	TOUL		(1)	-		action 45
	2	Printed Typed Name	A secopt of wigners in	Signa	lute * .		<del></del>		÷M	onth Day Year
File	E.				. 1	G. 3.	F D.	WET	. 1	4-1-1-1
1		19 Discrepancy Indication Space		-	- 411	ह छ	* :			
	F		6	2 2 2	- : 4		روز طفر بهدر		ε -	de se made me se se e se
7	c		183- Ja - 18 - 18 - 18 - 18 - 18 - 18 - 18 - 1		2 7	JUN	2.219	95 <u>  [</u>		្រុមស្ថិត្ត
		2012 Facility Dwner or Operator: Certific		materials covere	d by this manife	SI BACODI E	is noted in	n ttern 19;		
			9 4 m : 2000	的复数的 10	- 71 - 37			. 67.5 67.00	1	* Date
5	Y	Project Typed Name	1 5 - 1 1	Signer	ENV	IRUNAL	NTAL P	KOLECHOK	-iAd-	onth Day Ye.
345	2.1	1	人のが同じは監禁	5. 15 美国主动		¥ 187		· ,	10	06/16/25





This, minimoriately can fire inational nesponise Center (600) 424-8802.



## COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF HAZARDOUS WASTE

One Winter Street Boston, Massachusetts 02108

T.

H 730610

COPY > 3: FACILITY THAILS TO GENERATOR

					Please print	or type (F	orm des	gned for use o	n elde (	12-bitchi typewrie: i
		RM HAZARDOUS STE MANIFEST	1. Generator's US	_	Manifest Docu	ument No	2 Pa			the shaded areas by <sup>C</sup> ederal law
	3 Gener	ator's Name and Mailing A	MADOOL GODGESTEATRON	DEFENCE	System 2	<u> </u>	1	1A H		
(	M/S	3017 LONGO	MIL WIND	ELL ST. TOH IMA OI	887		B Sta	SAME		
	4 Gener	ator's Phone ( 508) Porter 1 Company Name LHARBARS EA	(657 - 378 [1]. St. MILLE-S	THE MAM	EPA ID Number	50	C. Sta	MA 13	27	7
	7 Transp	porter 2 Company Name		B US	EPA ID Number			ansporter's Pho ate Trans ID	ne ( <b>(, )</b>	7, 843 1800
	CLEAH	haled Facility Name and Sil	BRAINTREE.		EPA ID Number	<b>-</b>		ansporter's Pho		)
	l _	aying Due,	02184	MADO	534520	. 2 7		cility's Ptione (		849 1867
		OT Description (Including P.				12 Conta 110	J	13 Total Quantity	14 Unit WVVol	I. Waste No
عو	CORI	Rosive Soliz	OS, N.O.S. 9 PG=1		ACID)	3	DM	600	P	MA99
JEMEY.	MMN	ONIUM this DOT RE	osulFate	Based Pho	No Fixer		DF	15	G	MAGG
T O R	Perl	roleum Gri	ease, Non	D.O.T R	equipte!	01	DM	55	G	MA99
	d		` <u>-</u>	`		,				
	J. Additiona	Descriptions for Materials	Listed Above (include p		ard code.)	me, 11	K. Hun	dling Codes for	/	Linted Above
	F		PANGE	·		* *		101	C	
	15 Special	Handling Instructions and			- <u>A </u>	DI	G E	A M IE		्रहाउ ४नग्रन
- 6	(IB)	1142846	the riscians that the constant	ENERG IN THE COORDINATION AND AND ADDRESS OF THE COORDINATION	ency (	112/	dac.	7 1945	200	01271
	accordin	hipping name and are classified g to applicable international and	d national government regul	Intions	100	- 41				
		large quantity generator, i certify I have assected the practicable m if it amps small quantity generated								
	,	Typed Name #	2 0 12.	'Sign	nature	15	a		M	Date onth -Day
T	17. Transpo	COAP / Corner 1 Acknowledgement o	PINKIRU  OFFIce of the Legislation of the Legislati		MILL	tal	177	wille	en C	3616 3081e
₩ AND	16	TERU + OH	HALLARAT		TA ST	0//		a per ailing i myl y olik darik manlani	14 7 14 4	Day
QAT ES	-	Otter & Acknowledgement of Typed Name	R-Hedelph of Melenials	50	nature ?					onth Day Year
F.	18, Discret	vancy Indication Space	5 8 W. 4 W. 4		5		off party species of	· · · · · · · · · · · · · · · · · · ·	4 6	
AO	20. Facility	Owner of Operator: Certifi	ication of receipt of hez	、李明是	fire with the manife	al except	noied be	Rem 19	7 4	
時に	1	(Typed Name			tuo	7-	4 7 3	10011.15.		Date Yes
Y	I K	A call	Joinelle	2010年,高温温			8) 11.		111	947675





National Response Center



#### COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF HAZARDOUS MATERIALS

One Winter Street Boston, Massachusetts 02108

n

COPY

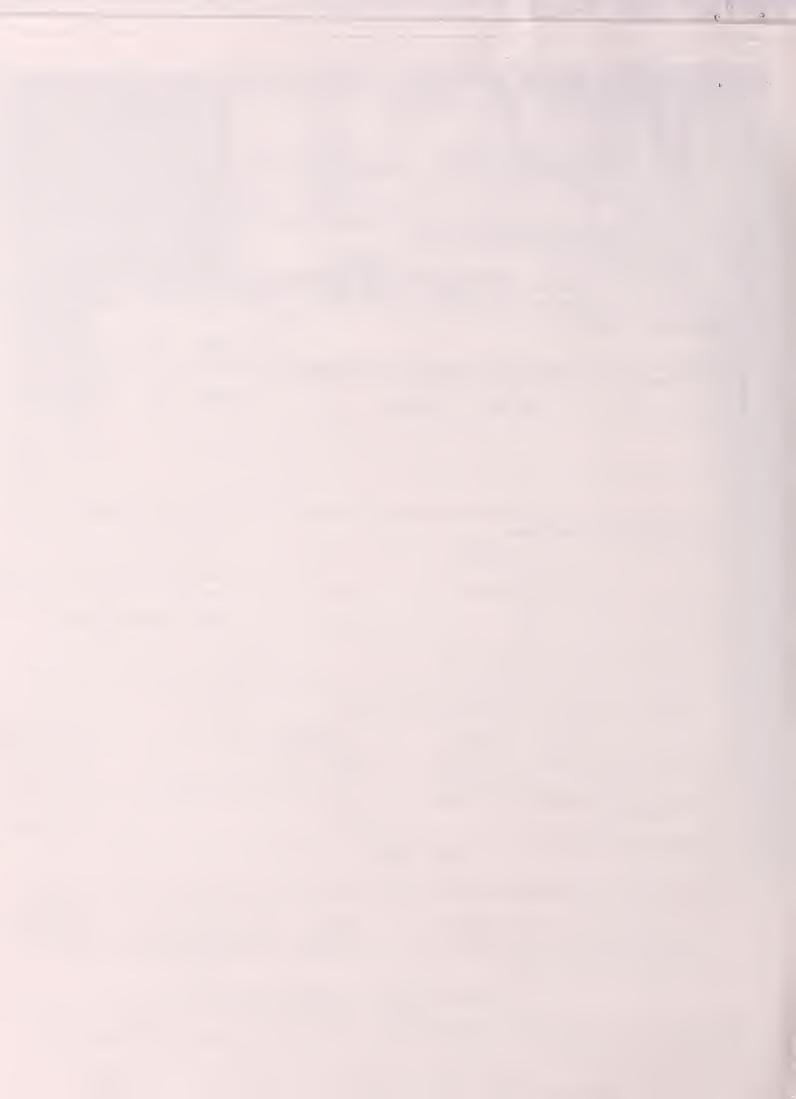
w

10

Please print or type. (Form designed for use on elite (12-pitch) typewriter: Generator's US EPA ID No MADOU1863943 Manifest Document No. UNIFORM HAZARDOUS Page 1 Information in the shaded areas is not required by Federal law WASTE MANIFEST State Manifest Document Number Generator's Name and Mailing Address THATPON DEFENSE SYSTEMS ATTN: RUDY LONGO M/S 3017 201 LOWELL STREET WILMINGTON, MA 01887 State GEDIRILL STREET MILITURGION, MA 01827 Generator's Phone 508-657-3782 State Trans ID US EPA ID Number Transporter 1 Company Name M113276 MARGERPRAGA CLEAN HARBORS ENV. SERVICES. THO Transporter's Phone ( 61 35 447 1144 US EPA ID Number Transporter 2 Company Name State Trans. ID US EPA ID Number Designated Facility Name and Site Address "Transporter's Phone ( CLEAN HARBORS OF BRAINTREE, TWO 385 QUINCY AVE HAI/053452637 NOT REQUIRED State Facility's ID BRAINTREE, MA 02184 Facility's Phone (617) RA9-1807 12 Containers Total Waste No US DOT Description (Including Proper Shipping Name, Huzard Class and ID Number) M4.99 SODIUM SULFITE BASED DEVELOPER, NON D.C.T. REGULATED NONE, H/A DF 100015 E AMMONTUM THEOSULFATE BASED PHOTO FIXER NOR D.C.T. REGULATED, NONE, N/A HA99 Ν DF100015 KU. Polychlainated 15 phenyls (Pidi, MAOZ), 9, MAOR UN2315, PG TIL 00 l J. Anditional Descriptions topy allering Listed Above (include physical state and hazard code Kai Handing Codes for Waster Listed Above i 109 Alknsin is palled from 100 5 US Banding Instructions and Additional Information Fragency Contact: 1-800-01L-TANK WO#: 536557 16 GENERATOR'S CERTIFICATION I hareby declare that the contents of this consignment are fully and accurately described above by proper shapping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by jughway according to applicable infernational and national government regulations. If Lamps large quantity generally, Leritly that I have a program in place to reduce the volume and copicity of waste generated to the degree I have determined to be economically practical and that I have assected the practicable method of treatment, storage, or disposal currently available to me ment; OH, if I am a small quantity generator, I have made a good lank effort to minimize my waste can afferd Date Printed/Typed Name Month :Date 17. Transporter 1-Acknowledgement of Receipt Month Day 18: Transporter 2 Acknowledgement of Fleoeipt of Materials : Printed/Typed Name Signasure Month 19. Discrepancy Indication Space 九是 北京 meter Operator: Certification of receipt of neverpose manufals covered by mismanifest



COPY>8: GENERATOR RETAINS



	WASTE WANIFESTS   MONOIL	unu   0020	5			mation in the required to	y Federal law			
3,	Generator ( Harris and Mailing Address									
*	PATENTINE NO. 1007									
42	Generatora Propie ( See 457-1787 CATOLINE SHOPPACOL (MORTE LAST), INC.	C. Mana Hi ETA D Jumber								
1	Torogonal Spinson hanne	a US EPA D Humber	0.7							
9.	Designated Facility Name and She Address	10." US EPA ID Numbe								
· 神	LALD AN ENVIRONMENTAL BERYICES (NORTH	CAST), INC.		0.4.6	ALESON A PAR BANKARY (C.	TO NOT	REQUIRED			
	LASTIN THE MARKET STATES	TALL OF THE PARTY	12. Doni	E D	olky Phoba	346				
2 -	US DOT Description (Including Proper Shipping	Name, Hazard Class and ID Number)	No.	Туре	Totals 14 -	WiVol	Worth N			
			1	Dni	55	6				
C T	ON NEGLECIED HATERIAL		1				14479			
R	ACT ACT		1	DF	15	6				
-00	ON-REGULATED HATER FAL		1.	DM	30	G	TAYY.			
ं क	ION REGULATED HATERTAL			ויוע	30	13	HA99 -			
			1	DF	30	G	₫. ** . 			
1	Additional Descriptions for Materials Listed Above (Inc. 5 WASTE ALUMINIUM OXIDE	iude physical state and hazard code.) , G3 ETHYLENE GLYCOL/MATER		K. Hand	lling Codes for \	Wastes Lis	ted Above			
B2	0 KODAK FIXER(PH=4.1-6.9)	DEVELOPE	n. S	0 1	<u>c.</u> 5	0				
l b	b. d. b. d.   b.   d.     b.     d.									
1 1	116. From J-3 RANGE CONT. CONT. CARIVER PRIENUH									
11	16. GENERATOR'S CERTIFICATION. Thereby declare that the contents of this consignment are fully and accurately described above by This proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for manisportey highway.									
	arcording to applicable intoficational and national government regulations.  If I are a large quantity generator I certify that I have a program in place to reduce the volume and toxicity of write generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal corrently available to me which minimizes the present and future threat to human health and the environment									
1	OB, it can a small quantity generator. Thave made a good latt N ENERGENCY SITUATION CONTACT LAIDLAN (N		e best waste	กลหลายัตกกลา	I method Dial is ava	idable to be	and that I			
	Printed Typed Name John Fan	10 Signature	u &	James	ď	1.101 K	0/27			
T TRAN	7. Transporter 1 Acknowledgement of Receive of Ma	aterials Signature		( ) -		100	Date C			
\$	8. Transporter 2 Acknowledgement of Receipt of Ma	aterials	>0				Date			
E R	Printed Typed Name	Signature				Mor	nth Day			
F A	9 Discrepancy Indication Space  Nf	DV - 3 1994								
ļ¢ L	Facility Owner or Operator: Certification of receiptor		est except a	as noted in	Item 19					
L			- A	1	1 0-		Date			
Y	DAVE GUILFOY	CE Signafile Duc	S.	ul	Logle	Mor	007			
	m Approved OIAE No. 2050-0039. Expires 9-30-94. A Form 8709 22 (Rev. 9-88) Previous editions are obsolete.									
	COPY>	3: FACILITY MAILS TO G	ENERA	TOR						



IDF @15G MA99

UC: NOW-REG. MTI 10F@15G MA99

11a: WASTE ACETIC ACID CONROSIVE MTL UN 2790 (DOOZ) 10F @ 15G. DOOZ



PHONE - ENGLA-

· warner	Awaida Me	Ditt.	744	200	البخم
2	7770	64		11	187
A part of the	1	30,12		1 1	
	1	WHITE ST	m94 H	Sept Property	0.0
th air	1.00	- Tel - E			
44 11 1	112.00	9			1
	A COL	42	p.r	772	
1	为此次	3,000	£2	Ę.	de
	4	100	- N	eparteria materialis	
ALC: A CONTRACTOR	41.5	A	132	0.0	

# DEPARTMENT OF ENVIRONMENTAL FIROTECTIONS PIVISION OF THE ARBOLISM ASTER SON VIDE Silver Bosical Massachusens 02108

	Virte Street essachosens ()21 ok		
East, no 1944 (457) (D) (A) (41 ) HI	Till in the second		
E propriéties		M	Ĭ.
Us Da Daggardan dhiệ dhiệ Proper Shoping Nêmê Haring Ches.	and Itt Manhart	Not ( Type Tablerury	A.C.
Cords of the control of the cords of the cor	TOTAL COLUMN TO THE PROPERTY OF THE PROPERTY O	10 10 10 10 10 10 10 10 10 10 10 10 10 1	6 1
	A STATE OF THE STA		5 16 3
hen ka to ke en bestelle e			y
			We have through a box as a second
	100 (100 (100 (100 (100 (100 (100 (100		Wesher Charles Above 7
Special Handling Instructions and Additional Information	(Additional Cal		
6 GENERATOR'S CERTIFICATION. I hereby declare that the contents of this consign proper shupping name and are classified, packed, marked, and labeled, and are in a	ment are fully and accurately describe	d above by	4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 -
according to applicable international and national government regulations  If I am a large quantity generator, I certify that I have a program in place to reduce and that I have selected the practicable method of treatment, storage, or disposal ment, OR, if I ama small quantity generator, I have made a good faith effort to min	the volume and toxicity of waste gener	rated to the degree I have detarmined t uzes the present and future threat to hu	iman health and the anviron-
Printed/Typed Name	Signature		Dete  Month Day Year
7. Transporter 1 Acknowledgement of Receipt of Materiels  Printed/Typed Name	Signature		Date Month Day Year
IE. Transporter 2 Acknowledgement of Receipt of Materiels  Printed/Typed Name	Signature	and the second second	Date  Month Day Year
9. Discrepancy Indication Space			
20. Facility Owner or Operator: Certification of receipt of hazardous mat	erials covered by this manifest ex	xcept as noted in Item 19,	Date
Printed/Typed Name	Signature	,	Month Day Year
PARTICLE SPICE  TO SPECIAL SPICE  TO SPICE SPICE	EPATOR VO EDITOR COPYL FRATCH S CSE E S Jaylonnia: Lucy Aug PA TE STANGES FOR	EMERA FOR SOME AND PARTIES AND	derair plane of executive and



	WASTEMANIES HAD U U S 8	nitariti		
į		THE REAL PROPERTY AND ADDRESS OF THE PARTY AND		
	STATE SEVE (North East ) Inc. M.A.	DOGGEOR	Mil	
H	7 an American 2 Company Name	US EPA IC Number	The state of the s	
Train.	Laidine Environmental Services (North Eas	t) Inc.		
3	300 Canal Street	0 0 0 0 6 0	1 1 7	
NO DE	US DOT Concription (Facilities Proper Disposing Name Harand Charle and	d JOHO MAN	12 Control of	
	Waste ORN A. N.O.S.			
	ORM-A, NA1693 (1-1-1 Tribhloroethane)		0 0 1 0 M D 0 0	) 5 0 3 P
Ū	Waste Fuel Oil Mixture Combustible Liquid, NA1993			
P.	Waste Combustible Liquid, N.O.S.		0 0 1 1 D M 0 10 10	10 15 5 G 5 East
分	Combustible Liquid, NA1993 (Naphtha, Chlorofluorocarbon)		ם ומו מו וחות ו וומו מ	1015 G F 0
B	\$ <sup>2</sup>			
	Non Regulated Material		O IO IA IN IE IO IO IO	1110 G MI
	Haster of lyoues Allining / Haster in the Ha	Rote 44 1 12		出现在10年,10年
	Waste 2 & 6 Fuel Oil (P1) Waste Wa	ter: Sodium Su none (Z11)	lifite SO	III SO
	15. Special Handling Instructions and Additional Information			(500) (00 400
	In emergency contact Laidlaw Environment (1 d Waste from J-3 Range)	al Services (N	Cc=	(508) 683-100
	proper shapping name and are classified, packed, marked, and labeled, and are in all re- according to applicable international and national government regulations.	spects in proper condition for to	ransport by highway	
	fill am a large quantity generator, I certify that I have a program in place to reduce the and that I have selected the practicable method of freatment, storage, or disposal curr ment, QR, if I am a small quantity generator. I have made a good faith effort to minimul.	rently available to me which mir	nimizes the present and luture thro	eat to human health and the envir
-	Printed/Typed Name	Signature /	- A	Date Month _Day
T	17. Transporter 1 Acknowledgement of Receipt of Materials	fold	1 Janie	DP Da
RANSP	Inled/Typed Name	81gna Note	1 - 4-	Month Day
O R	18. Transporter Z Acknowledgement of Receipt of Materials  Printed/Typed Name	Signature		Month Day
F R	19. Discrepancy Indication Space			
F A C				
171	20. Facility Owner or Operator: Certification of receipt of hazardous materia	els covered by this manifes	t except as noted in Item 19.	
L I T Y	Printed/Typed Name	Signature		Month Day

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

COPY>B: GENERATOR RETAINS



	HAIFORN HAVARDOUS WALLING BY A COMPANY OF THE COMPA		(Carlot		2 7		not requ		Cart The State of
T. Car	Tamere Diene at Land Address	THE STATE OF THE S		A Printer Comments				Series Constitution	
1									
	ETITION OF THE STATE OF THE STA	<b>· · · · · · · · · · · · · · · · · · · </b>	ALC: NO.						
	( property ) Control (Lip.	Marine							
Tiener.	La Urar Environmenta Coll vices (Nor til	ast) I Rich							
150 65	SDO/Caral Street Lawrence, MA 0 1840	A Q Q Q Q 6			41.		S. Per Papade		
是 6位	US DOT Description (Including Proper Shieping Name) Heaping Class	and the Name of		Cott					
10	Waste Acetic Acid								
20.0	Corrosive Material UN2790	The short of	0	011	DF	1010	01015	6	
E Z	Non Regulated Material		0	011	DF	0101	01110	G	
AAT	State Regulated Oil Waste	* * * * * * * * * * * * * * * * * * *	217		ה ה	0.0	0,4,0	Р	
Ř	d.		· 20	4		5 10	: :		
			i santar			1	1 1	20 F 10 Val. 30	
		erinberth	Speed!	-dry	K H	Adding C		Value Unit	SO
	Waste Kodak Fixer					30	5.7		
	15. Special Handling Instructions and Additional Information In emergency contact Laidlaw Environment	ental Servic	es (No	rth F	ast	Inc	\ {E	(08) 68	3-1002
	(J.a. & b. Waste from J-3 Range)	>	nely described			`c	!c+	F.11	-15-
	proper shipping name and are classified, packed, marked, and labeled, and are in according to applicable international and national government regulations.							h.,	alle practicat
	If I am a large quantity generator, I certify that I have a program in place to reduct and that I have selected the practicable method of treatment, storage, or dispose ment, OR, if I am a small quantity generator, I have made a good laith effort to more at lord.	al currently available to me	which minimiz	res the bu	sent en	d luture ti	ireal to hun	aan healtii and	IND GUAROU
	Printed/Typed Name Tobo FACDO	Signature	Har	1	_			Mon	Date th Day
TRA	17. Transporter 1 Acknowledgement of Receipt of Materials  Printed/Typed Name	Syneture		A	w			Moni	Date th Day
ZWPO	18. Transporter 2 Acknowledgement of Praceign of Materials	Signature		L	بكر	Da			7/2/3/
RTER	Printed/Typed Name	Signature						Mon	th Day
FA	19. Discrepancy Indication Space								<u> </u>
CIL	20. Facility Owner or Operator: Certification of receipt of hazardous ma	terials covered by this	manifest ex	cept as r	oted in	Item 19	),		
TY	\Printed/Typed Narpe	Signature	,	/1		,	·	Mont	Date
'	11110130110 ('Alistin	1771176	11/0	//	011	14	40	/ X	11-201

:E<Y90)

FACILITY MAILS TO GENERATOR

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

COPY>8:

GENERATOR RETAINS



TO GENERATOR

In case of emergency or spill, immediately call the National Response Center 1800) 424-8802

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

:E<Y90

FACILITY MAILS TO GENERATOR



Boston, Massachusetts 02108

COPY>8:

GENERATOR RETAINS

115.7



:E<Y900

e uved OMB No. 2050 00;ect open to a life of the treate of

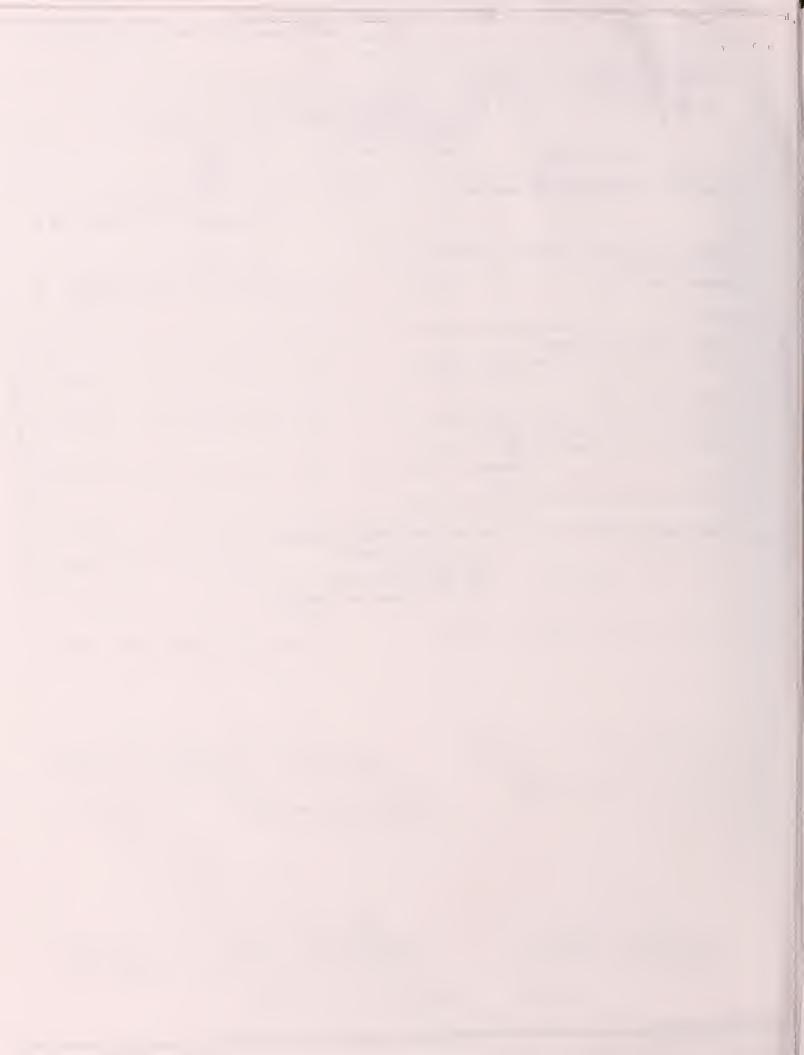
GENERATOR-MAILED BY TSDF



int or type. (Form designed for use on clife 112 pitch) typewriter There I have been about the facilities among 1. Conservator US EPA ID No. INIFORM HAZARDOUS M A D 0 0 1 8 6 3 9 4 3 0 0 1 1 9 of 1 is not required by Figures law WASTE MANIFEST Textron Defense Systems A. State Manifest Document Number repretor's Name and Many and a single WW CST374P 201 Lowell Street B. State Gen. ID Wilmington, MA 01887 erstor's Photo 508 657-1101 Laidlaw Environmental Services (Northeast) Inc | M A D 0 0 0 6 0 4 4 4 7 D. Transporter's Phone ( 508 ) 683-1002 Laidlaw Environmental Services (Northeast) Inc. F. Transporter's Phone i 300 Canal Street G State Facility's ID Not Required M A D 0 0 0 6 0 4 4 4 7 H Facility's Phone :508 Lawrence, MA 01840 683-1002 diff Description Waste Acetic Acid (DOO2) Corrosive Material UN2790 (Acetic Acid) 0 0 1 D F 0 0 0 1 5 G D; 0; 0; 2 Waste Acetic Acid Corrosive Material UN2790 (Acetic Acid) 0 0 1 D F 0 0 0 0 0 5 G D;0,0,2 Waste Acid Liquid, N.O.S. (DOO2) Corrosive Material NA1760 (Sulfuric Acid. 0.0 1 D F 0.0.0.1 5 G D.0.0.2 Ammonium Thiosulfate) Waste Acid Liquid, N.O.S. (DOO2) Corrosive Material NA1760 (Sulfuric Acid, 10.0.210 Flo.0 0.1.01 G 0.002 Ammonium Thiosulfate) Waste Acetic Acid Waste H20/Aluminum Sulfate/ Sulfuric Acid / Ammonium Thiosulfate (B-12) Waste H20/Aluminum Sulfate & Water (E-12) Waste Acetic Acid & Water 501 ,0 (E-12)Sulfuric Acid/Ammonium Thiosulfate (P-12)Line Items A thru D (Cape - J-? Range) Emergency # (508) 683-1002 ichael Treullship Packeliffe 02/12/11 Ditte 

:E<Y903

GENERATOR-MAILED BY TSDF





# Boston, Massachusetts 02108

UNIFORM HAZARDOUS  WASTE MANIFEST  1. Generator USPA (19.6)  1. Genera	lease print or type. (Form designed for use on elite (12					, 1,	A. Thirty	the section of the section of
Textron Defense Systems   September Name and Making Address   September Name and Making Address   September Name and Making Address   September Name and N	· UNIFORM HAZARDOUS	1. Generator US EPA	ID No.	Manifest Dosument No c	2. Page 1			
201 Lowell's Street Willington, MA 01887  4. Generator's Proces 508 657-1755  4. Generator's Proces 508 657-1755  4. Generator's Proces 508 657-1755  6. US EPAID Number Laidlaw Env. Svcs. (North East) Inc.   MIAIDIO 10   6   0   4   4   4   7    7. Transporter 2. Generator 10 Proces   10   10   10   10   10   10   4   4   4   7    8. US EPAID Number  8. US EPAID Number  9. Designation for the first state of the state	WASTE MANIFEST	ווטוטוטואוא	9 9 3 3 4 3	0 0 1 3 0				BOARTON .
### ### ### ### #### #### ############	3. Generator's Name and Mailing Address							
Companies   Comp								A STATE OF THE STA
5. Transported 1 - Impaired Market 1 - Inc.   Mil. Al Di Ol	508 657-1755		mingcom, MA U	100/				
8. USEFALD Number  9. Despetator from the content of the content o		8.	US EPA ID Nur	ber	2.9	CHO R TAN	4.1.1.1.1.1.1.1	
8. USEFALD Number  9. Despetator from the content of the content o		Fast) Inc. M			KAL.	1626		
S. Depretation and the commental Services (North East) Inc.  1300 Canal Street  Lardan Environmental Services (North East) Inc.  15 (Street property) From 1: 1		8.			5.44	Phone	508 1 6	13-1002
Canal Street	7. Fransporter 2 distribution	T.	1 1 1 1 1	1 1 1 1	E. State IV	ans. ID	A mile B	2 (179 15)
Laid a Environmental Services (North East) Inc.   Solitor Services (North East) Inc	9 Designated Fig. ship, feature is it from 4 portess	10	US EPA ID Nun	ibei		1111	में । और	
Lawrence	Laidlaw Environmental Serv	ices (Northil	East) Inc.		F. Transpo	rter's Phone !-	y kangg	d (
1. US DOT Deactions of Laboration and Supplied Name Property (Name Property of Name Propert								
1. USOT Description of Control Name of Character Class and Characters of Name	Lawrence, MA 01840	<u>  M</u>	: A: D <sub>1</sub> O <sub>1</sub> O <sub>1</sub> O <sub>1</sub> 6+1	0 4 4 4 4 7	H. Facility	Phone I 5	81 683	-1002
R.Q. Hazardous Waste Liquid, N.O.S.  ORM-E, NA9188 (FRO2)  (Fluorocarbon)  D. R.Q. Waste Corrosive Liquid, Poisonous, N.O.S.  Corrosive Material, UN2922 (D002, FRO2)  Non Regulated Material  D. R.Q. Waste Acid, Hiquid, N.O.S.  Corrosive Material, NA1760 (D002)  (Aluminum Sulfate, Sulfuric Acid)  Maste C-3 hefrigerant oil Waste Water, Sodium Sulfite  Result C-3 hefrigerant oil Waste Water, Sodium Sulfite  Fluorocarbon (G13)  Maste Stripper S-16, MC, Waste Water, Aluminum  Phenol (F13)  D. D		M		12 Conta	iners			Marta Na
ORN-E, NA9189 (F002) (Fluorocarbon)  R.Q. Waste Corrosive Liquid, Poisonous, N.O.S. Corrosive Material, UN2922 (D002, F002) (Formitz Acid, Methylene Chloride)  Non Regulated Material  R.Q. Waste Acid Liquid, N.O.S. Corrosive Material, NA1760 (D002) (Aluminum Sulfate, Sulfuric Acid)  Maste C-3 Refrigerant 011  Waste Waste Waster, Sodium Sulfite  Fluorocarbon (G13)  Waste Stripper S-16,MC, Phenol (F13)  Special liquid  Special l				IND	Туре			ANDRES 140.
(Fluorocarbon)  B. R.Q. Waste Corrosive Liquid, Poisonous, N.O.S. Corrosive Material, UN2922 (DD02, FO02)  (Form 12 Acid, Methylene Chloride)  Non Regulated Material  R.Q. Waste Acid Liquid, N.O.S. Corrosive Material, NA1760 (D002) (Aluminum Sulfate, Sulfuric Acid)  REGULATION OF Secretary Grant City Institute And City Institute City	" R.Q. Hazardous Waste	Liquid, N.O.	5.					
R.Q. Waste Corrosive Liquid, Poisonous, N.O.S. Corrosive Material, UN2922 (DO02, FO02)  (Form/12 Acid, Methylene Chloride)  Non Regulated Material  R.Q. Waste Acid Liquid, N.O.S. Corrosive Material, NA1760 (DO02)  (Aluminum Sulfate, Sulfuric Acid)  Agricultural Sulfate, Sulfuric Acid  Maste C - 3 Rerigerant OII  Filuorocarbon (Gi3)  Waste, Stripper S-16,MC, Phenol (Fi3)  Sulfate, Sulfuric Acid (Bi2)  Sulfate, Sulfuric Acid (Bi2)  Sulfate, Sulfuric Acid (Bi2)  In Emergency contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  Thomas Corrosive Material, NA1760 (Do02)  (Aluminum Sulfate, Sulfuric Acid)  Sulfate, Sulfuric Acid (Bi2)  Sulfate, Sulfuric Acid (Bi2)  In Emergency contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  Thomas Corrosive Material  Activity Townson  Acti	ORM-E, NA9189 (F002)				į			4.4
Corrosive Material, UN2922 (D002, F002) (Form/12 Acid, Methylene Chloride)  Non Regulated Material  R.Q. Waste Acid Liquid, N.O.S. Corrosive Material, NA1760 (D002) (Aluminum Sulfate, Sulfuric Acid)  Maste - 3 Refrigerant 011  Fluorocarbon (G13)  Waste, Stripper S-16,MC, h Phenol (F13)  Waste, Stripper S-16,MC, h Phenol (F13)  Significant of the sum				0 0 1	DIM O	0: 0 3: 0	G	F 0 0 2
Non Regulated Material   QiQiZ DiF QiQiQiZ Si F QiQiZ Si F Q	b. R.Q. Waste Corrosive	Liquid, Pois	onous, N.O.S.					्रा <sup>कि</sup> पूर्व इन्हेलका
Non Regulated Material  R.O. Waste Acid Liquid, N.O.S. Corrosive Material, NA1760 (D002) (Aluminum Sulfate, Sulfuric Acid)  Additional Degraphs to Assembly to the Assembly Master Co. Ref. (1987)  Waster Co. Ref. (1987)  Waster Co. Ref. (1987)  Fluorocarbon (G13)  Waster, Stripper S-16, MC, Phenol (F13)  Denote The Assembly Master Waster, Aluminum  Denote The Assembly Master Waster, Aluminum  1 - 30 gallon drum  1 - 5 gallon drum  J-3 Range  In Emergency contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  In Language Contact Laidlaw Inc. (1982)  Phenol (F13)  Phenol (F13)  Assembly Master Master (1982)  Assembly Master (1982)	Corrosive Material, U	N2922 (D002,	F002)			;		0002
Non Regulated Material  R.Q. Waste Acid Liquid, N.O.S. Corrosive Material, NA1760 (D002)  (Aluminum Sulfate, Sulfuric Acid)  Waste G-3 Refrigerant Oil Waste Water, Sodium Sulfite  Fluorocarbon (G13)  Waste, Stripper S-16,MC,  Phenol (F13)  15 Special Liquid  In Emergency contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  In Emergency Contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  Tomber Tomber Contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  Robert Tomber Contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  Robert Tomber Contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  Robert Tomber Contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  Robert Tombert Contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  Robert Tombert Contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  Robert Tombert Contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  Robert Tombert Contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  Robert Tombert Contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  Robert Tombert Contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  Robert Tombert Contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  Robert Tombert Contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  Robert Tombert Contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  Robert Tombert Contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  Robert Tombert Contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  Robert Contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  Robert Contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  Robert Contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  Robert Contact Laidlaw Environmental Services (North East)	(Formit2 Acid, Methyl	ene Chloride	)	01012	DIFO	0101315	G	FID DIZ
R.Q. Waste Acid Liquid, N.O.S. Corrosive Material, NA1760 (D002) (Aluminum Sulfate, Sulfuric Acid)  Adoption Description of the International Control of the Inte	c.					:		
R.Q. Waste Acid Liquid, N.O.S. Corrosive Material, NA1760 (D002) (Aluminum Sulfate, Sulfuric Acid)  Adoption Description of the International Control of the Inte	Non Regulated Materia	ı						AN A: 0: 0
Corrosive Material, NA1760 (D002)  (Aluminium Sulfate, Sulfuric Acid)  Additional Engineering Material Sulfuric Acid  Waste C-3 Refrigerant UI  Fluorocarbon (G13)  Waste, Stripper S-16,MC, Phenol (F13)  Special limits  11.b., 1 - 30 gallon drum 1- 5 gallon drum	J1			- 101011	DIFIO	0 0 1:0	6	MI AI 91 3
(Aluminum Sulfate, Sulfuric Acid)  Adaptional Directions to Market Sulfuric Acid (Bill)  Adaptional Directions to Market Sulfuric Market Water, Sodium Sulfite  Fluorocarbon (G13)  Waste Water, Sodium Sulfite  Fluorocarbon (G13)  Waste Water, Aluminum  Waste Water, Aluminum  Sulfate, Sulfuric Acid (Bill)  Sulf						!		
Additional Divergence to Experiments Latiful Above Maste C-3 Refrigerant Old Waste Water, Sodium Sulfite  Fluorocarbon (G13)  Waste, Stripper S-16, MC,  Phenol (F13)  15 Special Limite  In Emergency contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  In Emergency Contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  In Lance of the Contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  In Lance of the Contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  In Lance of the Contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  In Lance of the Contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  In Lance of the Contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  In Lance of the Contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  In Lance of the Contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  In Lance of the Contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  In Lance of the Contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  In Lance of the Contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  In Lance of the Contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  In Lance of the Contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  In Lance of the Contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  In Lance of the Contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  In Lance of the Contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  In Lance of the Contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  In Lance of the Contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  In Lance of the Contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  In Lance of the Contact Laidlaw Environmental Services (North East) Inc. (508) 683-100				0,0,4	חולמ	أماماطا	_	101013
Waste, Stripper S-16, MC, Waste Water, Aluminum  h Phenol (F13)  15 Special landle and formula laboration 11.b., 1 - 30 gallon drum  1 - 5 gallon drum  1 - 5 gallon drum  1 - 3 Range  In Emergency contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  15 In Emergency Contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  16 January Contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  17 Itangan  18 January Contact Laidlaw Environmental Services (North East)  18 January Contact Laidlaw Environmental Services (North East)  19 January Contact Laidlaw Environmental Services (North East)  19 January Contact Laidlaw Environmental Services (North East)  10 January Contact Laidlaw Environmental Services (North East)  11 January Contact Laidlaw Environmental Services (North East)  12 January Contact Laidlaw Environmental Services (North East)  13 January Contact Laidlaw Environmental Services (North East)  14 January Contact Laidlaw Environmental Services (North East)  15 January Contact Laidlaw Environmental Services (North East)  16 January Contact Laidlaw Environmental Services (North East)  17 January Contact Laidlaw Environmental Services (Nort			tate multipared and a	THE T	DIFLUI	ULUL II UL	ment listed A	Above
Waste, Stripper S-16, MC, Phenol (F13)  15 Special Hundre and Continue and Internation 11.b., 1 - 30 gallon drum  1 - 5 gallon drum  1 - 5 gallon drum  1 - 3 Range  In Emergency contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  15 Special Hundre and Continue and International Inc. (508) 683-1002  16 James Language and Continue and	Waste C-3 Refrigerant 0	11 Waste	Water, Sodiu	m Sulfite				
b Phenol (F13)  15 Special Hundre and Commissional Inc. 1 - 30 gallon drum  1 - 5 gallon drum  1 - 5 gallon drum  1 - 3 Range  In Emergency contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  In the Individual Control of the Incomposition of Incomposition of the Incomposition of th						Q1. /_	لـــکـــــــــــ	10_1./
15 Special fundicional del control del con							_	
In Emergency contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  In data institute  In a data					<b>b S 1</b>	01	0 5	LOUL
In Emergency contact Laidlaw Environmental Services (North East) Inc. (508) 683-1002  In data institute  In a data	15 Special Handle Survivors on an Astronomical	Internation 11.b.	, 1 - 30 gall	on drum	11.c.	, 11.d.	, Waste	s from
Heart be sometimed to the consequence of the consequence of the proper consists to the prop	· · · · · · · · · · · · · · · · · · ·		1 - 5 gall	on drum			J-3 R	ange
Printed  To horazon Alegaria  Record Month Day  France   In Emergency contact Laidle	aw. Environmen	ntal Services	(North E	ast) In	c. (508	3). 683-	1002	
Hamaka y entition?  Tohn Form of the second disconsistent		itan kanasamati, ad titur dikanaga kadi latat tidi khiri latagi lara mi	ng is the graph and recenting	is the control of distance dis- tantance providing the So	grigory.			
Pant of the part o	acouding to ending	energene a film a legación de la deficio						
Panted of John Ferring John Forman John John John John John John John Joh								
Part of the Town Town Town Town Town Town Town Town	man of the second							
To Find the second of the seco	and a second							Date
Robert T- Thorn Ton Dobat J-Month Day 1.  In Transport To Thorn Ton Dobat J-Month Day 1.  France The problem of the transport	Printed Section 1	V _	Jaganno (	(77)			Month	Dey 'S
Robert T- Thorn Ton Dobat J-Month Day 1.  In Transport To Thorn Ton Dobat J-Month Day 1.  France The problem of the transport	John Ter	MO		s_Keix	my.		06	1771
Robert - Thorn ton Lobort J-Mornion Gibling)  France Month University of the mander of compaging spread on the second of the sec	17 Transport	ger d Martine :	1/2		-		-	
16 f also an extensive on relative to contract to compagament of the second of the sec	Robert TT.	10 Tan	Jan	+ 1	101	*	1.tonih	Day 1.
16 f also an extensive on relative to contract to compagament of the second of the sec	in Transport	pr Manenali	Popo	y- /-	Mo	men	1-66	1991
the state of the s	Funtea .		Seam time		-		Month	Day See
the state of the s								
the state of the s	1. 19 [10(0)							
the state of the s								
the state of the s								
STEPHEN WILL Still /1/1 06/991	76 F. 918	April 10 years of the me	ichar convertistisma	20 mgs or produces	igner is the		,	-
STEPHEN WILL Stille Ma 06/991			6/1	11	//			Late
16-116-001016 ANG DE 1901	57244011/1/11	/	11/1/	In //	11.		6.6	1000
	JICH PIETO OUTU		- Stiff	IL LIL	11/4		20	177/

COPY>3:

Torm \$7000.

FACILITY MAILS TO GENERATOR

11111



pur print artistic. Form to apped his year we must have	his typowy too			A. De Lie Co		11.94	
UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)	21 Generator & US EPA ID No	1 3 4	4 of				
TEXTRON DEF 201 Lowell Wilmington, 24 Temporter Company American Park Solvents Rec.		447	N State O Trans P State	Minutes 2: 213125  e Generators  a Transporter's Phoritories sporter's sport	- 164 - (508	13[Mf]. ) 683-1002	COPY>
28 US DOT Gestriat in throwing theme. The	nong Name starad Class, and ID Namises	-	1 13 113113	R L · · ·	. `	R condit No	. F
	Monomethyl Ether Solution 1188 (potasium hydroxide)	1	DF	5	G	D001	
RQ waste acid liquid, Corrosive material NA	N.O.S. 1760 (sulfuric)acid)	1	DF .	10	G	D002	ENERA
Waste acetic acid Corrosive Material UN		1	DF	5	] G	D002	TOR-MA
Non Regulated materia Waste GBX Developer 8		1	DF	10	G	MA99	Á
	enter en enter en enter en					1 K 1 K 1 K 1 K 1 K 1 K 1 K 1 K 1 K 1 K	BYTSDF
		]					
waste acetic acid &	water from 0-3 Range (E12)	. fro	om J-3	Range	(\$82)	So I	
O fransporter Acknowledgement of Statement o	incerno Signature	D	V	res		.ata 4 <b>9.80</b>	easi
Printed:Typed Name	Signature				<b></b>	or or	
(f) Discrepancy Identification Space	March 7 7 Days						<b>持</b>

Jonathan Sourne Public Library
19 Sandwich Rd.
Bourne, MA 02532

# **Textron Systems Corporation**

Exhibits Submittal of Request for Information Pursuant to Section 104 of CERCLA for Massachusetts Military Reservation (MMR)

25 February, 2000

Textron is asserting confidentiality claim pursuant to Sections 104(e)(7)(E) and (F) of CERCLA, 42 U.S.C. §§ 9604(e)(7)(E) and (F) for the entire package enclosed.

Drinking Water Quality (various analytical testing events)

Jonethan Bourne Public Library
19 Sandwich Rd.
Bourne, MA 02332



W1-1114

# COMPANY PRIVATE

# **TEXTRON** Defense Systems

Textron Defense Systems/Subsidiary of Textron, Inc.

201 LOWELL STREET, WILMINGTON, MASSACHUSETTS 01887

INTEROFFICE MEMORANDUM

CONFIDENTIAL

R. Stephens

DATE:

October 4, 1995

2512-RJL-95-034

FROM:

TO:

R. Longo

SUBJECT:

J3-1 & J3-6 Wellwater Analysis

TEXTRON PRIVATE

COPY TO: A. Dunford, R. Maggiani, C. Shreder, J. Tanin, file

Attached are the results of analysis performed of wellwater samples taken from the J3-1 and J3-6 wells, located at Textron Cape Operations, Otis Air Force Base, Bourne, MA. As noted on these results, "Bacteriologically and chemically, this water meets all of the Maximum Contaminant Level requirements as established by the Commonwealth of Massachusetts for drinking water".

Should you have any questions pertaining to this matter, please contact me at extension 3782. A

Rudolph J. Longo, Jr.

Industrial Resources Team

**Attachments** 



176 PLYMOUTH STREET BRIDGEWATER, MA 02324 508-697-2650 Fax 508-697-0163

Environmental Chemistry Site Assessment Quality Assurance Services Environmental Services
Site Sampling
Data Auditing

Textron Defense Systems 201 Lowell Street Wilmington, MA 01887-2971

COLLECTED BY: P. Hines

TIME: 0940 hrs.

LOCATION: Bldg. #J-3-1 - Otis Air Foirce Base - Bourne, MA

SAMPLE DATE:

09/08/95

DATE RECEIVED: 09/08/95

SAMPLE ID: 95-09-7046-1

### **RESULTS OF ANALYSIS**

PARAMETER	ANALYTICAL METHOD	DATE ANALYZED	UNITS	DET. LIMIT	MCL <sup>1</sup> / REC. LIMIT <sup>2</sup>	RESULT
Coliform	Std. Methods, 9222B	09/08/95	# per 100 mL @ 35° C	1	Absent <sup>1</sup>	Absent
Standard Plate Count	Std. Methods, 9215B	09/08/95	# per mL @ 35° C	1	< 500 <sup>3</sup>	< 1
Color		09/11/95	APC Units	NA	< 15 <sup>2</sup>	0.0
Turbidity	EPA 180.1	09/11/95	NTU	0.25	0.1-1.02	0.27
pН	EPA 150.1	09/08/95		NA	6.5-8.5 <sup>2</sup>	6.1
Specific Conductance	EPA 120.1	09/08/95	μmhos/cm	0.50		53.0
Alkalinity	EPA 310.1	09/08/95	mg/L	1.0	30-100 <sup>2</sup>	4.0
Free CO <sub>2</sub>	Std. Methods, 4500CO <sub>2</sub> B	09/08/95	mg/L	0.1	< 50	6.16
Hardness	EPA 130.2	09/11/95	mg/L	4.0	50-200²	14.0
Calcium	Std. Methods, 3111B	09/11/95	mg/L	0.01	50-150 <sup>2</sup>	1.10
Magnesium	EPA 242.1	09/11/95	mg/L	0.01		1.65
Sodium	EPA 273.1	09/11/95	mg/L	0.02	20 <sup>2</sup>	5.69
Potassium	EPA 258.1	09/11/95	mg/L	0.10		0.50



Iron	EPA 236.1	09/11/95	mg/L	0.02	0.32	0.02
Manganese	EPA 243.1	09/11/95	mg/L	0.01	0.05 <sup>2</sup>	ND
Sulfate	EPA 375.4	09/11/95	mg/L	10.0	250²	< 10.0
Chloride	Std. Methods, 4500Cl B	09/11/95	mg/L	2.0	250²	8.50
Nitrogen - Ammonia	EPA 350.2	09/11/95	mg/L	0.10	0.12	< .010
Nitrogen - Nitrite	EPA 354.1 .	09/11/95	mg/L	0.005	1.01	< 0.005
Nitrogen - Nitrate	WeWWG/5880	09/11/95	mg/L	0.50	10.01	< 0.50

### NA = Not Applicable '

Bacteriologically and chemically, this water meets all of the Maximum Contaminant Level requirements as established by the Commonwealth of Massachusetts for drinking water.

umill, A Bedg 9/27/95

· Laboratory Manager / Date

<sup>\*</sup> Detection limit

<sup>&</sup>lt;sup>1</sup> These limits are maximum contaminant levels (MCL) as adopted by the Commonwealth of Massachusetts and represent the maximum acceptable level in drinking water.

<sup>&</sup>lt;sup>2</sup> Recommended limits are suggested levels of materials allowed in the water. These may be for aesthetic reasons rather than for human health.

<sup>&</sup>lt;sup>3</sup> Currently there are no limits (recommended or mandated) for this parameter. This is merely presented for guidance.



# Analytical Balance Corp. Analytical Information Sheet

Coliform group bacteria: This group of bacteria includes organisms found in the intestinal tracts of warm blooded animals, birds, decaying organic matter (hay, leaves, wood, etc.), the top 2-3 feet of the soil, lakes, ponds, brooks, rivers, drainage and types of vegetation. Because the presence of coliform organisms in the water suggests that other more harmful organisms may be present, water containing one or more coliform bacteria per 100 mL of sample should not be used for drinking or cooking purposes unless it is boiled 5 minutes or disinfected by other means.

Color - APC units - Ground water ought to be practically free from color. Color is recommended not to exceed 15 units.

Turbidity - NTU - Recommended not to exceed 5 units.

pH - This defines the concentration of free hydrogen ions in solution. The recommended range is 6.5-8.5. The pH scale is from 0 (very acidic) to 14 (very alkaline) - 7 is neutral.

Specific Conductance - Conductivity is a good indicator of the potential for mineralization of water.

Total Alkalinity - Alkalinity in water represents the content of carbonates and bicarbonates in water.

Free Carbon Dioxide - Well water having a low pH and a free CO, level in excess of 50 mg/L may be corrosive to iron, bronze, brass, and copper tubing and fittings.

Total Hardness - Waters in a range of 0-75 are considered soft 75-150 are considered medium hard; over 150 are considered very hard.

Calcium - Calcium contributes to the total hardness of the water. Appreciable amounts of calcium salts may break down on heating and form scale in boilers, pipes and on cooking utensils.

Magnesium - Magnesium and calcium ions are principal contributors to water hardness.

Sodium - Recommended limit is 20 mg/L. High sodium may be indicative of salt intrusion.

Potassium - Concentrations in drinking water are generally very low.

Iron - Recommended limit is 0.3 mg/L

Manganese - Recommended limit is 0.05 mg/L

Sulfate - Recommended limit not to exceed 250 mg/L

Chloride - Recommended limit not to exceed 250 mg/L. High chlorides may be indicative of salt intrusion.

Nitrogen - Ammonia - Present in variable concentrations in ground and surface waters. May be indicative of septage intrusion.

Nittogen - Nitrite - Maximum contaminant level (MCL) for nitrite in waters is 1.0 mg/L. Waters with a nitrite concentration over 1.0 mg/L should not be used for infant feeding.

Nitrogen - Nitrate - MCL for nitrate in waters is 10.0 mg/L. Waters with a nitrate concentration over 10.0 mg/L should not be used for infant feeding, drinking or cooking.

### (If requested)

Copper - MCL is 1.3 mg/L

Lead - MCL is 0.015 mg/L

Arsenic - MCL is 0.05 mg/L

Tannin - May enter the water supply through the process of vegetative degradation.

Fluoride - MCL is 4.0 mg/L

NOTE: Recommended limits are suggested levels of materials allowed in the water. These may be for aesthetic reasons rather than for human health. This information is presented for your guidance only and is not intended to be the definitive source.



176 PLYMOUTH STREET BRIDGEWATER, MA 02324 508-697-2650 Fax 508-697-0163

Environmental Chemistry Site Assessment Quality Assurance Services Environmental Services
Site Sampling
27 September 1995
Data Auditing

Textron Defense Systems 201 Lowell Street Wilmington, MA 01887-2971

COLLECTED BY: P. Hines

TIME: 0940 hrs.

LOCATION: Bldg. #J-3-1 - Otis Air Foirce Base - Bourne, MA

SAMPLE DATE: 09/08/95

DATE RECEIVED: 09/08/95 SAMPLE ID: 95-09-7046-1

### **RESULTS OF ANALYSIS**

PARAMETER '	ANALYTICAL METHOD	DATE ANALYZED	UNITS	DET. LIMIT	MCL <sup>1</sup> / REC. LIMIT <sup>2</sup>	RESULT
Coliform	Std. Methods, 9222B	09/08/95	# per 100 mL @ 35° C	1	-Absent <sup>1</sup>	Absent
Standard Plate Count	Std. Methods, 9215B	09/08/95	# per mL @ 35° C	1	< 5003	< 1
Color		09/11/95	APC Units	NA	< 15 <sup>2</sup>	0.0
Turbidity	EPA 180.1	09/11/95	NTU	0.25	0.1-1.02	0.27
pН	EPA 150.1	09/08/95		NA	6.5-8.5 <sup>2</sup>	6.1
Specific Conductance	EPA 120.1	09/08/95	μmhos/cm	0.50		53.0
Alkalinity	EPA 310.1	09/08/95	mg/L	1.0	30-100 <sup>2</sup>	4.0
Free CO <sub>2</sub>	Std. Methods, 4500CO <sub>2</sub> B	09/08/95	mg/L	0.1	< 50	6.16
Hardness	EPA 130.2	09/11/95	mg/L	4.0	50-200²	14.0
Calcium	Std. Methods, 3111B	09/11/95	mg/L	0.01	50-150 <sup>2</sup>	1.10
Magnesium	EPA 242.1	09/11/95	mg/L	0.01		1.65
Sodium	EPA 273.1	09/11/95	mg/L	0.02	20-2	5.69
Potassium	EPA 258.1	09/11/95	mg/L	0.10		0.50



lron	EPA 236.1	09/11/95	mg/L	0.02	0.32	0.02
Manganese	EPA 243.1	09/11/95	mg/L	0.01	0.05 <sup>2</sup>	ND
Sulfate	EPA 375.4	09/11/95	mg/L	10.0	250²	< 10.0
Chloride	Std. Methods, 4500Cl B	09/11/95	mg/L	2.0	250²	8.50
Nitrogen - Ammonia	EPA 350.2	09/11/95	mg/L	0.10	0.12	<.010
Nitrogen - Nitrite	EPA 354.1	09/11/95	mg/L	0.005	1.01	< 0.005
Nitrogen - Nitrate	WeWWG/5880	09/11/95	mg/L	0.50	10.01	< 0.50
						1
					-	

NA = Not Applicable

Bacteriologically and chemically, this water meets all of the Maximum Contaminant Level requirements as established by the Commonwealth of Massachusetts for drinking water.

Juniti A Begle 9/27/95

Laboratory Manager / Date

Detection limit

<sup>&</sup>lt;sup>1</sup> These limits are maximum contaminant levels (MCL) as adopted by the Commonwealth of Massachusetts and represent the maximum acceptable level in drinking water.

<sup>&</sup>lt;sup>2</sup> Recommended limits are suggested levels of materials allowed in the water. These may be for aesthetic reasons rather than for human health.

<sup>&</sup>lt;sup>3</sup> Currently there are no limits (recommended or mandated) for this parameter. This is merely presented for guidance.

# Analytical Balance Corp. Analytical Information Sheet

Coliform group bacteria: This group of bacteria includes organisms found in the intestinal tracts of warm blooded animals, birds, decaying organic matter (hay, leaves, wood, etc., the top 2-3 feet of the soil, lakes, ponds, brooks, rivers, drainage and types of vegetation. Because the presence of coliform organisms in the water suggests that other more harmful organisms may be present, water containing one or more coliform bacteria per 100 mil of sample should not be used for drinking or cooking purposes unless it is boiled 5 minutes or disinfected by other means.

Color - APC units - Ground water ought to be practically free from color. Color is recommended not to exceed 15 units.

Turbidity - NTU - Recommended not to exceed 5 units.

pH - This defines the concentration of free hydrogen ions in solution. The recommended range is 6.5-8.5. The pH scale is from 0 (very acidic) to 14 (very alkaline) - 7 is neutral.

Specific Conductance - Conductivity is a good incitator of the potential for mineralization of water.

Total Alkalinity - Alkalinity in water represents the content of carbonates and bicarbonates in water.

Free Carbon Dioxide - Well water having a low pil and a free CO, level in excess of 50 mg/L may be corrosive to iron, bronze, brass, and copper tubing and fittings.

Total Hardness - Waters in a range of 0-75 are considered soft. 75-150 are considered medium hard; over 150 are considered very hard.

Calcium - Calcium contributes to the total harmess of the water. Appreciable amounts of calcium salts may break down on heating and form scale in boilers, pipes and on cooking mensils.

Magnesium - Magnesium and calcium ions are principal contributors to water hardness.

Sodium - Recommended limit is 20 mg/L. High sodium may be indicative of sait intrusion.

Potassium - Concentrations in drinking water are generally very low.

Iron - Recommended limit is 0.3 mg/L

Manganese - Recommended limit is 0.05 mg/L.

Sulfate - Recommended limit not to exceed 250 mg/L

Chloride - Recommended limit not to exceed 250 mg/L. Figh chlorides may be inficative of salt intrusion.

Nitrogen - Ammonia - Present in variable concentrations in ground and surface waters. May be indicative of septage intrusion.

Nitrogen - Nitrite - Maximum contaminant level (MCL) for nitrite in waters is 1.0 mg/L. Waters with a nitrite concentration over 1.0 mg/L should not be used for infant feeding.

Nitrogen - Nitrate - MCL for nitrate in waters is 10.0 mg/L. Waters with a nitrate concentration over 10.0 mg/L should not be used for infant feeding, drinking or cooking.

### (If requested)

Copper - MCL is 1.3 mg/L

Lead - MCL is 0.015 mg/L

Arsenic - MCL is 0.05 mg/L

Tannin - May enter the water supply through the process of vegetative degradation.

Fluoride - MCL is 4.0 mg/L

NOTE: Recommended limits are suggested levels of materials allowed in the water. These may be for aesthetic reasons rather than for human health. This information is presented for your guidance only and is not intended to be the definitive source.



176 PLYMOUTH STREET BRIDGEWATER, MA 02324 508-697-2650 Fax 508-697-0163

Environmental Chemistry Site Assessment Quality Assurance Services Environmental Services Site Sampling Data Auditing

September 27, 1995

Textron Defense Systems 201 Lowell Street Wilmington, MA

COLLECTED BY: P. Hines

TIME: 0940 hrs.

LOCATION: Bldg. #J-3-1 - Otis Air Force Base - Bourne, MA

**RESULTS OF ANALYSIS** 

SAMPLE DATE: 09/08/95 DATE RECEIVED: 09/08/95 SAMPLE ID: 95-08-7046-1

	т	T -	[ · · · · · · · · · · · · · · · · · · ·	T	· · · · · · · · · · · · · · · · · · ·	1
PARAMETER	ANALYTICAL METHOD	DATE ANALYZED	UNITS	DET. LIMIT	MCL <sup>1</sup> / REC. LIMIT <sup>2</sup>	RESULT
Arsenic (As)	S.M. 3113B**	09/11/95	mg/L	0.008	0.05	ND
Barium (Ba)	EPA 208.2	09/15/95	mg/L	0.10	1.0	ND
Cadmium (Cd)	S.M. 3113B**	09/14/95	mg/L	0.001	0.01	ND
Total Chromium	· EPA 218.2	09/12/95	mg/L	0.001	0.05	ND
Copper (Cu)	EPA 220.1	09/14/95	mg/L	0.02	1.3	0.11
Lead (Pb)	EPA 200.9	09/12/95	mg/L	0.001	0.015	ND
Mercury (Hg)	EPA 245.1	09/20/95	mg/L	0.0002	0.002	ND
Selenium (Se)	S.M. 3113B**	09/11/95	mg/L	0.002	0.01	ND
Silver (Ag)	EPA 272.1	09/15/95	mg/L	0.005	0.05	ND
Fluoride (F)	S.M. 4500-F,C"	09/14/95	mg/L	0.10	4.0	< 0.10

NA = Not Applicable

Laboratory Manager / Date.

Phonly.frm/95

These limits are maximum contaminant levels (MCL) as adopted by the Commonwealth of Massachusetts and represent the maximum acceptable level in drinking water.

<sup>&</sup>lt;sup>2</sup> Recommended limits are suggested levels of materials allowed in the water. These may be for aesthetic reasons rather than for human health.

<sup>&</sup>lt;sup>3</sup> Curently there are no limits (recommended or mandated) for this parameter. This is merely presented for guidance.



176 PLYMOUTH STREET BRIDGEWATER, MA 02324 508-697-2650 Fax 508-697-0163

Environmental Chemistry Site Assessment Quality Assurance Services Environmental Services Site Sampling Data Auditing

September 27, 1995

Textron Defense Systems 201 Lowell Street Wilmington, MA

COLLECTED BY: P. Hines

TIME: 0940 hrs.

LOCATION: Bldg. #J-3-1 - Otis Air Force Base - Bourne, MA

RESULTS OF ANALYSIS

SAMPLE DATE: 09/08/95 DATE RECEIVED: 09/08/95

SAMPLE ID: 95-08-7046-1

PARAMETER	ANALYTICAL METHOD	DATE ANALYZED	UNITS	DET. LIMIT	MCL <sup>1</sup> / REC. LIMIT <sup>2</sup>	RESULT
Arsenic (As)	S.M. 3113B**	09/11/95	mg/L	0.008	0.05	ND
Barium (Ba)	EPA 208.2	09/15/95	mg/L	0.10	1.0	ND
Cadmium (Cd)	S.M. 3113B"	09/14/95	mg/L	0.001	0.01	ND
Total Chromium	· EPA 218.2	09/12/95	mg/L	0.001	0.05	ND
Copper (Cu)	EPA 220.1	09/14/95	mg/L	0.02	1.3	0.11
Lead (Pb)	EPA 200.9	09/12/95	mg/L	0.001	0.015	ND
Mercury (Hg)	EPA 245.1	09/20/95	mg/L	0.0002	0.002	ND
Selenium (Se)	S.M. 3113B**	09/11/95	mg/L	0.002	0.01	ND
Silver (Ag)	EPA 272.1	09/15/95	mg/L	0.005	0.05	ND
Fluoride (F)	S.M. 4500-F,C**	09/14/95	mē√L	0.10	4.0	< 0.10

### NA = Not Applicable

Laboratory Manager / Date

Phonly.frm/95

<sup>&</sup>lt;sup>1</sup> These limits are maximum contaminant levels (MCL) as adopted by the Commonwealth of Massachusetts and represent the maximum acceptable level in drinking water.

<sup>&</sup>lt;sup>2</sup> Recommended limits are suggested levels of materials allowed in the water. These may be for aesthetic reasons rather than for human health.

<sup>&</sup>lt;sup>3</sup> Curently there are no limits (recommended or mandated) for this parameter. This is merely presented for guidance.



176 PLYMOUTH STREET BRIDGEWATER, MA 02324 508-697-2650 Fax 508-697-0163

Environmental Chemistry Site Assessment Quality Assurance Services Environmental Services Site Sampling Data Auditing

Textron Defense Systems 201 Lowell Street Wilmington, MA 01887-2971

COLLECTED BY: P. Hines

TIME: 0945 hrs.

LOCATION: Bldg. #J-3-1 - Otis Air Force Base - Bourne, MA

SAMPLE DATE: 09/08/95 DATE RECEIVED: 09/08/95 SAMPLE ID: 95-08-7046-1

### **RESULTS OF ANALYSIS**

					<del>,</del>
Compound (regulated)	Result (μg/L)	MCL¹ (μg/L)	Detection Limit (µg/L)	Analytical Method	Date Analyzed
Benzene	ND	5.0	0.5	502.2	09/14/95
Carbon Tetrachloride	ND	5.0	0.5	502.2	09/14/95
1,1-Dichloroethylene	ND	7.0	0.5	502.2	09/14/95
1,2-Dichloroethane	ND	5.0	0.5	502.2	09/14/95
para-Dichlorobenzene ·	ND	5.0	0.5	502.2	09/14/95
Trichloroethylene	ND	5.0	0.5	502.2	09/14/95
1,1,1-Trichloroethane	ND	200.0	0.5	502.2	09/14/95
Vinyl Chloride	ND	2.0	0.5	502.2	09/14/95
Monochlorobenzene	ND	100.0	0.5	502.2	09/14/95
o-Dichlorobenzene	ND	600.0	0.5	502.2	09/14/95
trans-1,2-Dichloroethylene	ND	100.0	0.5	502.2	09/14/95
cis-1,2-Dichloroethylene	ND	70.0	0.5	502.2	09/14/95
1,2-Dichloropropane	ND	5.0	0.5	502.2	09/14/95
Ethylbenzene	ND	700.0	0.5	502.2	09/14/95
Styrene	ND	100.0	0.5	502.2	09/14/95
Tetrachloroethylene	ND	5.0	0.5	502.2	09/14/95
Toluene	ND	1000.0	0.5	502.2	09/14/95
Xylenes (total)	ND	10000.0	0.5	502.2	09/14/95
Dichloromethane	ND	5.0	0.5	502.2	09/14/95
1,2,4-Trichlorobenzene	ND	70.0	0.5	502.2	09/14/95
1,1,2-Trichloroethane	ND	5.0	0.5	502.2	09/14/95



Compound (unregulated)	Result (μg/L)	MCL¹ (μg/L)	Detection Limit (μg/L)	Analytical Method	Date Analyzed
Chloroform	ND		0.5	502.2	09/14/95
Bromodichloromethane	ND		0.5	502.2	09/14/95
Chlorodibromomethane	ND		0.5	502.2	09/14/95
Bromoform	ND		0.5	502.2	09/14/95
m-Dichlorobenzene	ND		0.5	502.2	09/14/95
Dibromomethane	ND		0.5	502.2	09/14/95
1,1-Dichloropropene	ND		0.5	502.2	09/14/95
1,1-Dichloroethane	ND		0.5	502.2	09/14/95
1,1,2,2-Tetrachloroethane	ND		0.5	502.2	09/14/95
1,3-Dichloropropane	ND		0.5	502.2	09/14/95
Chloromethane	ND		0.5	502.2	09/14/95
Bromomethane	ND		0.5	502.2	09/14/95
1,2,3-Trichloropropane	ND		0.5	502.2	09/14/95
1,1,1,2-Tetrachloroethane.	ND		0.5	502.2	09/14/95
Chloroethane	ND		0.5	502.2	09/14/95
2,2-Dichloropropane	ND		0.5	502.2	09/14/95
o-Chlorotoluene	ND		0.5	502.2	09/14/95
p-Chlorotoluene	ND		0.5	502.2	09/14/95
Bromobenzene	ND		0.5	502.2	09/14/95
1,3-Dichloropropene	ND		0.5	502.2	09/14/95
1,2,4-Trimethylbenzene	ND		0.5	502.2	09/14/95
1,2,3-Trichlorobenzene	ND		0.5	502.2	09/14/95
n-Propylbenzene	ND		0.5	502.2	09/14/95
n-Butylbenzene	ND		0.5	502.2	09/14/95
Naphthalene	ND		0.5	502.2	09/14/95
Hexachlorobutadiene	ND		0.5	502.2	09/14/95
1,3,5-Trimethylbenzene	ND		0.5	502.2	09/14/95



Compound (regulated)	Result (μg/L)	MCL¹ (μg/L)	Detection Limit (µg/L)	Analytical Method	Date ' Analyzed
p-Isopropyltoluene	ND		0.5	502.2	09/14/95
Isopropylbenzene	ND		0.5	502.2	09/14/95
tert-Butylbenzene	ND		0.5	502.2	09/14/95
sec-Butylbenzene	ND		0.5	502.2	09/14/95
Fluorotrichloromethane	ND		0.5	502.2	09/14/95
Dichlorodifluoromethane	ND		0.5	502.2	09/14/95
Bromochloromethane	ND		0.5	502.2	09/14/95

<sup>&</sup>lt;sup>1</sup> These limits are maximum contaminant levels (MCL) as adopted by the Commonwealth of Massachusetts and represent the maximum acceptable level in drinking water. If the column has dashes, there is presently no maximum contaminant level associated with this compound.

#### Surrogate Recoveries (As required by EPA methods 524.1 and 524.2)

Compound	% Recovered	QC Limits (%)
2-Bromo-1-chloropropane	102	80-120
4-Bromofluorobenzene	99	80-120

Laboratory Manager / Date



176 PLYMOUTH STREET BRIDGEWATER, MA 02324 508-697-2650 Fax 508-697-0163

Environmental Chemistry Site Assessment Quality Assurance Services Environmental Services Site Sampling Data Auditing

Textron Defense Systems 201 Lowell Street Wilmington, MA 01887-2971

COLLECTED BY: P. Hines

TIME: 0945 hrs.

LOCATION: Bldg. #J-3-1 - Otis Air Force Base - Bourne, MA

SAMPLE DATE: 09/08/95 DATE RECEIVED: 09/08/95 SAMPLE ID: 95-08-7046-1

Compound (regulated)	Result (μg/L)	MCL¹ (μg/L)	Detection Limit (µg/L)	Analytical Method	Date Analyzed
Benzene	ND .	5.0	0.5	502.2	09 14/95
Carbon Tetrachloride	ND	5.0	0.5	502.2	09 14/95
1,1-Dichloroethylene	ND	7.0	0.5	502.2	09 14/95
1,2-Dichloroethane	ND	5.0	0.5	502.2	09 14/95
para-Dichlorobenzene .	ND	5.0	0.5	502.2	09 14 '95
Trichloroethylene	ND	5.0	0.5	502.2	09 14 '95
1,1,1-Trichloroethane	ND.	200.0	0.5	502.2	09 14 95
Vinyl Chloride	ND	2.0	0.5	502.2	09 14 '95
Monochlorobenzene	ND	100.0	0.5	502.2	09 14/95
o-Dichlorobenzene	ND	600.0	0.5	502.2	09 14/95
trans-1,2-Dichloroethylene	ND	100.0	0.5	502.2	09 14/95
cis-1,2-Dichloroethylene	ND	70.0	0.5	502.2	09 14/95
1,2-Dichloropropane	ND	5.0	0.5	502.2	09 14/95
Ethylbenzene	ND	700.0	0.5	502.2	09 14/95
Styrene	ND	100.0	0.5	502.2	09 14/95
Tetrachloroethylene	ND	5.0	0.5	502.2	09 14/95
Toluene	ND	1000.0	0.5	502.2	09 14/95
Xylenes (total)	ND	10000.0	0.5	502.2	09 14/95
Dichloromethane	ND	5.0	0.5	502.2	09 14/95
1,2,4-Trichlorobenzene	ND	70.0	0.5	502.2	09 14/95
1,1,2-Trichloroethane	ND	5.0	0.5	502.2	09 14/95



Compound (unregulated)	Result (μg/L)	MCL¹ (μg/L)	Detection Limit (µg/L)	Analytical Method	Date, Analyzed
Chloroform	ND	••••	0.5	502.2	09/14/95
Bromodichloromethane	ND	••••	0.5	502.2	09/14/95
Chlorodibromomethane	ND		0.5	502.2	09/14/95
Bromoform	ND		0.5	502.2	09/14/95
m-Dichlorobenzene	ND		0.5	502.2	09/14/95
Dibromomethane	ND		0.5	502.2	09/14/95
1,1-Dichloropropene	ND		0.5	502.2	09/14/95
1,1-Dichloroethane	ND		0.5	502.2	09/14/95
1,1,2,2-Tetrachloroethane	ND		0.5	502.2	09/14/95
1,3-Dichloropropane	ND		0.5	502.2	09/14/95
Chloromethane	ND		0.5	502.2	09/14/95
Bromomethane	ND		0.5	502.2	09/14/95
1,2,3-Trichloropropane	ND		0.5	502.2	09/14/95
1,1,1,2-Tetrachloroethane	ND		0.5	502.2	09/14/95
Chloroethane	ND		0.5	502.2	09/14/95
2,2-Dichloropropane	ND		0.5	502.2	09/14/95
o-Chlorotoluene	ND		0.5	502.2	09/14/95
p-Chlorotoluene	ND		0.5	502.2	09/14/95
Bromobenzene	ND		0.5	502.2	09/14/95
1,3-Dichloropropene	ND		0.5	502.2	09/14/95
1,2,4-Trimethylbenzene	ND		0.5	502.2	09/14/95
1,2,3-Trichlorobenzene	ND		0.5	502.2	09/14/95
n-Propylbenzenc	ND		0.5	502.2	09/14/95
n-Butylbenzene	ND		0.5	502.2	09/14/95
Naphthalene	ND		0.5	502.2	09/14/95
Hexachlorobutadiene	ND		0.5	502.2	09/14/95
1,3,5-Trimethylbenzene	ND		0.5	502.2	09/14/95



Compound (regulated)	Result (μg/L)	MCL¹ (μg/L)	Detection Limit (ಚಿತ್ರ/L)	Analytical Method	Date Analyzed
p-Isopropyltoluene	ND		0.5	502.2	09/14/95
Isopropylbenzene	ND		0.5	502.2	09/14/95
tert-Butylbenzene	ND		0.5	502.2	09/14/95
sec-Butylbenzene	ND		0.5	502.2	09/14/95
Fluorotrichloromethane	ND		0.5	502.2	09/14/95
Dichlorodifluoromethane	ND		0.5	502.2	09/14/95
Bromochloromethane	ND		0.5	502.2	09/14/95

<sup>&</sup>lt;sup>1</sup> These limits are maximum contaminant levels (MCL) as adopted by the Commonwealth of Massachusetts and represent the maximum acceptable level in drinking water. If the column has dashes, there is presently no maximum contaminant level associated with this compound.

Surrogate Recoveries (As required by EPA methods 524.1 and 524.1)

Compound	% Recovered	QC Limits (%)
2-Bromo-1-chloropropane	102	80-120
4-Bromofluorobenzene	99	80-120

James D. B. B. 9/27/15

Laboratory Manager / Date

Jonathan Bourne Public Library
19 Sandwich Rd.
Beurne, MA 02882

× . . . . .

COMPARY FRIVALE

## ANALYTICAL BALANCE CORP.

176 PLYMOUTH STREET BRIDGEWATER, MA 02324 508-697-2650 Fax 508-697-0163

Environmental Chemistry Site Assessment Quality Assurance Services Environmental Services
Site Sampling
27 September 1995
Data Auditing

## CONFIDENTIAL

Textron Defense Systems 201 Lowell Street Wilmington, MA 01887-2971

## TEXTRON PRIVATE

COLLECTED BY: P. Hines

TIME: 1000 hrs.

LOCATION: Bldg. #J-3-6 - Otis Air Foirce Base - Bourne, MA

SAMPLE DATE: 09/08/95 DATE RECEIVED: 09/08/95

SAMPLE ID: 95-09-7046-2

#### **RESULTS OF ANALYSIS**

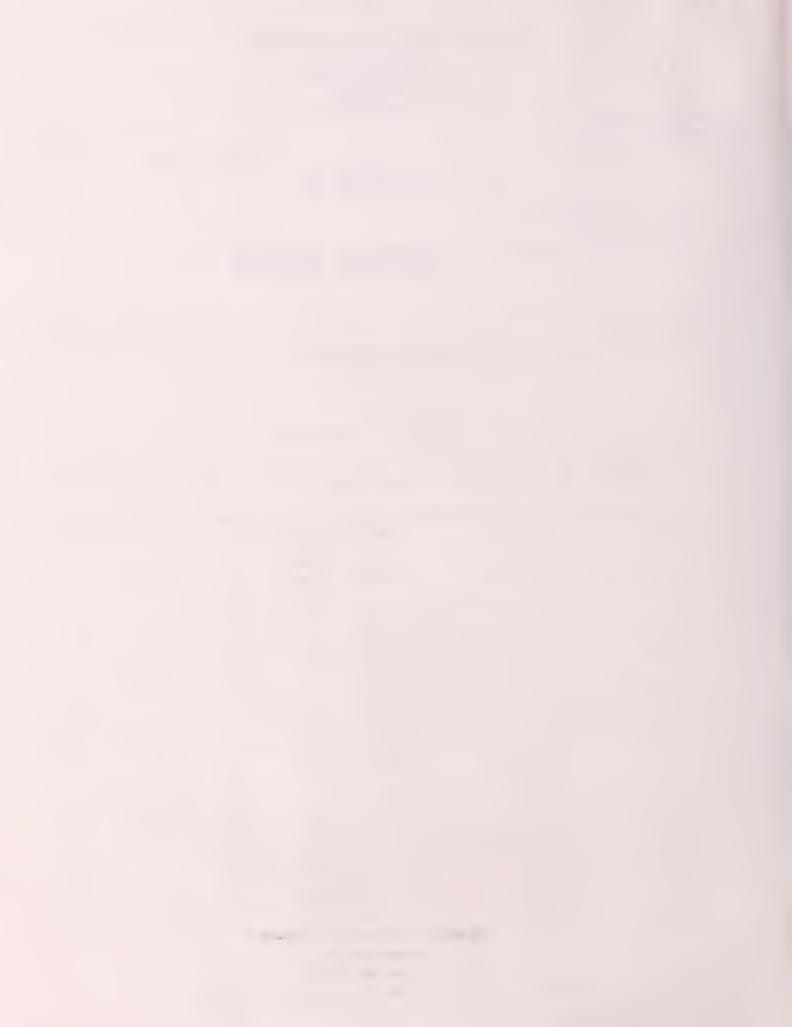
PARAMETER	ANALYTICAL METHOD	DATE ANALYZED	UNITS	DET. LIMIT	MCL¹/ REC. LIMIT²	RESULT
Coliform	Std. Methods, 9222B	09/08/95	# per 100 mL @ 35° C	1	Absent <sup>1</sup>	Absent
Standard Plate Count	Std. Methods, 9215B	09/08/95	# per mL @ 35° C	1	< 500³	1
Color		09/11/95	APC Units	NA	< 15 <sup>2</sup>	0.0
Turbidity	EPA 180.1	09/11/95	טדע	0.25	0.1-1.02	0.37
pН	EPA 150.1	09/08/95		NA	6.5-8.5 <sup>2</sup>	6.0
Specific Conductance	EPA 120.1	09/08/95	μmhos/cm	0.50		80.0
Alkalinity ·	EPA 310.1	09/08/95	mg/L	1.0	30-100 <sup>2</sup>	3.0
Free CO <sub>2</sub>	Std. Methods, 4500CO₂B	09/08/95	mg/L	0.1	< 50	5.85
Hardness	EPA 130.2	09/11/95	mg/L	4.0	50-200²	16.0
Calcium	Std. Methods, 3111B	09/11/95	mg/L	0.01	50-150 <sup>2</sup>	1.29
Magnesium	EPA 242:1	09/11/95	mg/L	0.01		3.01
Sodium	EPA 273.1	09/11/95	mg/L	0.02	20 <sup>2</sup>	6.86
Potassium	EPA 258.1	09/11/95	mg/L	0.10		0.59

Jonathan Bourne Public Library

19 Sandwich Rd.

Bourne, MA 02532

(FORMERLY OLIVEIRA ENVIRONMENTAL LABORATORIES, INC.)



Iron	EPA 236.1	09/11/95	mg/L	0.02	0.32	0.03
Manganese	EPA 243.1	09/11/95	mg/L	0.01	0.05 <sup>2</sup>	0.01
Sulfate	EPA 375.4	09/11/95	mg/L	10.0	250 <sup>2</sup>	< 10.0
Chloride	Std. Methods, 4500Cl B	09/11/95	mg/L	2.0	250²	8.50
Nitrogen - Ammonia	EPA 350.2	09/11/95	mg/L	0.10	0.12	< 0.10
Nitrogen - Nitrite	EPA 354.1	09/11/95	mg/L	0.005	1.01	< 00005
Nitrogen - Nitrate	WeWWG/5880	09/11/95	mg/L	0.50	10.0¹	2.60
					-	

#### NA = Not Applicable .

Bacteriologically and chemically, this water meets all of the Maximum Contaminant Level requirements as established by the Commonwealth of Massachusetts for drinking water.

Laboratory Manager / Date

Temothy B. Begg 9/27/95

<sup>\*</sup> Detection limit

<sup>&</sup>lt;sup>1</sup> These limits are maximum contaminant levels (MCL) as adopted by the Commonwealth of Massachusetts and represent the maximum acceptable level in drinking water.

<sup>&</sup>lt;sup>2</sup> Recommended limits are suggested levels of materials allowed in the water. These may be for aesthetic reasons rather than for human health.

<sup>&</sup>lt;sup>3</sup> Currently there are no limits (recommended or mandated) for this parameter. This is merely presented for guidance.



# Analytical Balance Corp. Analytical Information Sheet

Coliform group bacteria: This group of bacteria includes organisms found in the intestinal tracts of warm blooded animals, birds, decaying organic matter (hay, leaves, wood, etc.), the top 2-3 feet of the soil lakes, ponds, brooks, rivers, drainage and types of vegetation. Because the presence of coliform organisms in the water suggests that other more harmful organisms may be present, water containing one or more coliform bacteria per 100 mil of sample should not be used for drinking or cooking purposes unless it is boiled 5 minutes or disinfected by other means.

Color - APC units - Ground water ought to be practically free from color. Color is recommended not to exceed 15 units.

Turbidity - NTU - Recommended not to exceed 5 units.

pH - This defines the concentration of free hydrogen ions in solution. The recommended range is 6.5-8.5. The pH scale is from 0 (very acidic) to 14 (very alkaline) - 7 is neutral.

Specific Conductance - Conductivity is a good indicator of the potential for mineralization of water.

Total Alkalinity - Alkalinity in water represents the content of carbonates and bicarbonates in water.

Free Carbon Dioxide - Well water having a low pil and a free CO; level in excess of 50 mg/L may be corrosive to iron, bronze, brass, and copper tubing and fittings.

Total Hardness - Waters in a range of 0-75 are considered soft; 75-150 are considered medium hard; over 150 are considered very hard.

Calcium - Calcium contributes to the total hardness of the water. Appreciable amounts of calcium salts may break down on heating and form scale in boilers, pipes and on cooking utensils.

Magnesium - Magnesium and calcium ions are principal contributors to water hardness.

Sodium - Recommended limit is 20 mg/L. High sodium may be indicative of sait intrusion.

Potassium - Concentrations in drinking water are generally very low.

Iron - Recommended limit is 0.3 mg/L

Manganese - Recommended limit is 0.05 mg/L

Sulfate - Recommended limit not to exceed 250 mg/L

Chloride - Recommended limit not to exceed 250 mg/L. High chlorides may be indicative of salt intrusion.

Nitrogen - Ammonia - Present in variable concentrations in ground and surface waters. May be indicative of septage intrusion.

Nitrogen - Nitrite - Maximum contaminant level (MCL) for nitrite in waters is 1.0 mg/L. Waters with a nitrite concentration over 1.0 mg/L should not be used for infant feeding.

Nitrogen - Nitrate - MCL for nitrate in waters is 10.0 mg/L. Waters with a nitrate concentration over 10.0 mg/L should not be used for infant feeding, drinking or cooking.

#### (If requested)

Copper - MCL is 1.3 mg/L

Lead - MCL is 0.015 mg/L

Arsenic - MCL is 0.05 mg/L

Tannin - May enter the water supply through the process of vegetative degradation.

Fluoride - MCL is 4.0 mg/L

NOTE: Recommended limits are suggested levels of materials allowed in the water. These may be for aesthetic reasons rather than for human health. This information is presented for your guidance only and is not intended to be the definitive source.



176 PLYMOUTH STREET BRIDGEWATER, MA 02324 508-697-2650 Fax 508-697-0163

Environmental Chemistry Site Assessment Quality Assurance Services Environmental Services
Site Sampling
27 September 1995
Data Auditing

Textron Defense Systems 201 Lowell Street Wilmington, MA 01887-2971

COLLECTED BY: P. Hines

TIME: 1000 hrs.

LOCATION: Bldg. #J-3-6 - Otis Air Foirce Base - Bourne, MA

SAMPLE DATE: 09/08/95

DATE RECEIVED: 09/08/95 SAMPLE ID: 95-09-7046-2

PARAMETER	ANALYTICAL METHOD	DATE ANALYZED	UNITS	DET. LIMIT	MCL <sup>1</sup> / REC. LIMIT <sup>2</sup>	RESULT
Coliform	Std. Methods, 9222B	09/08/95	# per 100 mL @ 35° C	1	Absent <sup>1</sup>	Absent
Standard Plate Count	Std. Methods, 9215B	09/08/95	# per mL @ 35° C	1	< 500³	1
Color		09/11/95	APC Units	NA	< 15 <sup>2</sup>	0.0
Turbidity	EPA 180.1	09/11/95	NTU	0.25	0.1-1.02	0.37
pН	EPA 150.1	09/08/95		NA	6.5-8.5 <sup>2</sup>	6.0
Specific Conductance	EPA 120.1	09/08/95	μmhos/cm	0.50		80.0
Alkalinity	EPA 310.1	09/08/95	mg/L	1.0	30-100 <sup>2</sup>	3.0
Free CO <sub>2</sub>	Std. Methods, 4500CO₂B	09/08/95	mg/L	0.1	< 50	5.85
Hardness	EPA 130.2	09/11/95	mg/L	4.0	50-200²	16.0
Calcium	Std. Methods, 3111B	09/11/95	mg/L	0.01	50-150 <sup>2</sup>	1.29
Magnesium	EPA 242.1	09/11/95	mg/L	0.01		3.01
Sodium .	EPA 273.1	09/11/95	mg/L	0.02	20 <sup>2</sup>	6.86
Potassium	EPA 258.1	09/11/95	mg/L	0.10		0.59



Iron	EPA 236.1	09/11/95	mg/L	0.02	0.32	0.03
Manganese	EPA 243.1	09/11/95	mg/L	0.01	0.05 <sup>2</sup>	0.01
Sulfate	EPA 375.4	09/11/95	mg/L	10.0	250²	< 10.0
Chloride	Std. Methods, 4500Cl B	09/11/95	mg/L	2.0	250²	8.50
Nitrogen - Ammonia	EPA 350.2	09/11/95	mg/L	0.10	0.12	< 0.10
Nitrogen - Nitrite	EPA 354.1	09/11/95	mg/L	0.005	1.01	< 00005
Nitrogen - Nitrate	WeWWG/5880	09/11/95	mg/L	0.50	10.01	2.60
,						

#### NA = Not Applicable

Bacteriologically and chemically, this water meets all of the Maximum Contaminant Level requirements as established by the Commonwealth of Massachusetts for drinking water.

Laboratory Manager / Date

Jemos A. Begg 9/27/95

<sup>\*</sup> Detection limit

<sup>&</sup>lt;sup>1</sup> These limits are maximum contaminant levels (MCL) as adopted by the Commonwealth of Massachusetts and represent the maximum acceptable level in drinking water.

<sup>&</sup>lt;sup>2</sup> Recommended limits are suggested levels of materials allowed in the water. These may be for aesthetic reasons rather than for human health.

<sup>&</sup>lt;sup>3</sup> Currently there are no limits (recommended or mandated) for this parameter. This is merely presented for guidance.



## Analytical Balance Corp. Analytical Information Sheet

Coliform group bacteria: This group of bacteria includes organisms found in the intestinal tracts of warm blooded animals, birds, decaying organic matter (hay, leaves, wood, etc.), the top 2-3 feet of the soil, lakes, ponds, brooks, rivers, drainage and types of vegetation. Because the presence of coliform organisms in the water suggests that other more harmful organisms may be present, water containing one or more coliform bacteria per 100 mL of sample should not be used for drinking or cooking purposes unless it is boiled 5 minutes or disinfected by other means.

Color - APC units - Ground water ought to be practically free from color. Color is recommended not to exceed 15 units.

Turbidity - NTU - Recommended not to exceed 5 units.

pH - This defines the concentration of free hydrogen ions in solution. The recommended range is 6.5-8.5. The pH scale is from 0 (very acidic) to 14 (very alkaline) - 7 is neutral.

Specific Conductance - Conductivity is a good indicator of the potential for mineralization of water.

Total Alkalinity - Alkalinity in water represents the content of carbonates and bicarbonates in water.

Free Carbon Dioxide - Well water having a low pH and a free CO; level in excess of 50 mg/L may be corrosive to iron, bronze, brass, and copper tubing and fittings.

Total Hardness - Waters in a range of 0-75 are considered soft, 75-150 are considered medium hard; over 150 are considered very hard

Calcium - Calcium contributes to the total harmess of the water. Appreciable amounts of calcium salts may break down on heating and form scale in boilers, pipes and on cooking mensils.

Magnesium - Magnesium and calcium ions are principal contributors to water hardness.

Sodium - Recommended limit is 20 mg/L. High sodium may be indicative of salt intrusion.

Potassium - Concentrations in drinking water are generally very low.

Iron - Recommended limit is 0.3 mg/L

Manganese - Recommended limit is 0.05 mg/L.

Sulfate - Recommended limit not to exceed 250 mg/L

Chloride - Recommended limit not to exceed 250 mg/L. High chlorides may be indicative of salt intrusion.

Nitrogen - Ammonia - Present in variable concentrations in ground and surface waters. May be indicative of septage intrusion.

Nitrogen - Nitrite - Maximum contaminant level (MCL) for nitrite in waters is 1.0 mg/L. Waters with a nitrite concentration over 1.0 mg/L should not be used for infant feeding.

Nitrogen - Nitrate - MCL for nitrate in waters is 10.0 mg/L. Waters with a nitrate concentration over 10.0 mg/L should not be used for infant feeding, drinking or cooking.

#### (If requested)

Copper - MCL is 1.3 mg/L

Lead - MCL is 0.015 mg/L

Arsenic - MCL is 0.05 mg/L

Tannin - May enter the water supply through the process of vegetative degradation.

Fluoride - MCL is 4.0 mg/L.

NOTE: Recommended limits are suggested levels of materials allowed in the water. These may be for aesthetic reasons rather than for human health. This information is presented for your guidance only and is not intended to be the definitive source.



176 PLYMOUTH STREET BRIDGEWATER, MA 02324 508-697-2650 Fax 508-697-0163

**Environmental Chemistry** Site Assessment Quality Assurance Services **Environmental Services** Site Sampling Data Auditing

09/08/95

95-08-7046-2

September 27, 1995

SAMPLE ID:

Textron Defense Systems 201 Lowell Street Wilmington, MA

COLLECTED BY: P. Hines

TIME: 1000 hrs.

LOCATION: Bldg. #J-3-6 - Otis Air Force Base - Bourne, MA

SAMPLE DATE: DATE RECEIVED: 09/08/95

**RESULTS OF ANALYSIS** 

**RESULT** DATE UNITS DET. MCL1/ PARAMETER ANALYTICAL METHOD **ANALYZED** LIMIT REC. LIMIT<sup>2</sup> S.M. 3113B" 09/11/95 800.0 ND Arsenic (As) mg/L 0.05 09/15/95 ND EPA 208.2 0.10 1.0 Barium (Ba) mg/L Cadmium (Cd) S.M. 3113B\*\* 09/14/95 mg/L 0.001 0.01 ND Total Chromium EPA 218.2 09/12/95 0.001 0.05 ND mg/L EPA 220.1 09/14/95 mg/L 0.02 1.3 1.02 Copper (Cu) EPA 200.9 09/12/95 0.001 0.015 ND Lead (Pb) mg/L ND Mercury (Hg) EPA 245.1 09/20/95 mg/L 0.0002 0.002 Selenium (Se) S.M. 3113B\*\* 09/11/95 mg/L 0.002 0.01 ND Silver (Ag) EPA 272.1 09/15/95 0.005 0.05 ND mg/L S.M. 4500-F,C\*\* Fluoride (F) 09/14/95 0.10 4.0 < 0.10 mg/L

#### NA = Not Applicable

Laboratory Manager Bate

Pbonly.frm/95

<sup>&</sup>lt;sup>1</sup> These limits are maximum contaminant levels (MCL) as adopted by the Commonwealth of Massachusetts and represent the maximum acceptable level in drinking water.

<sup>&</sup>lt;sup>2</sup> Recommended limits are suggested levels of materials allowed in the water. These may be for aesthetic reasons rather than for human health.

<sup>&</sup>lt;sup>3</sup> Curently there are no limits (recommended or mandated) for this parameter. This is merely presented for guidance.



176 PLYMOUTH STREET BRIDGEWATER, MA 02324 508-697-2650 Fax 508-697-0163

Environmental Chemistry Site Assessment Quality Assurance Services Environmental Services Site Sampling Data Auditing

September 27, 1995

Textron Defense Systems 201 Lowell Street Wilmington, MA

COLLECTED BY: P. Hines

TIME: 1000 hrs.

LOCATION: Bldg. #J-3-6 - Otis Air Force Base - Bourne, MA

RESULTS OF ANALYSIS

SAMPLE DATE: 09/08/95 DATE RECEIVED: 09/08/95

SAMPLE ID: 95-08-7046-2

PARAMETER	ANALYTICAL METHOD	DATE ANALYZED	UNITS	DET. LIMIT	MCL <sup>1</sup> / REC. LIMIT <sup>2</sup>	RESULT
Arsenic (As)	S.M. 3113B**	09/11/95	mg/L	0.008	0.05	ND
Barium (Ba)	EPA 208.2	09/15/95	mg/L	0.10	1.0	ND
Cadmium (Cd)	S.M. 3113B**	09/14/95	mg/L	0.001	0.01	ND
Total Chromium	EPA 218.2	09/12/95	mg/L	0.001	0.05	ND
Copper (Cu)	EPA 220.1	09/14/95	mg/L -	0.02	1.3	1.02
Lead (Pb)	EPA 200.9	09/12/95	mg/L	0.001	0.015	ND
Mercury (Hg)	· EPA 245.1	09/20/95	mg/L	0.0002	0.002	ND .
Selenium (Se)	S.M. 3113B**	09/11/95	mg/L	0.002	0.01	ND
Silver (Ag)	EPA 272.1	09/15/95	mg/L ·	0.005	0.05	ND
Fluoride (F)	S.M. 4500-F,C**	09/14/95	mg/L	0.10	4.0	< 0.10

NA = Not Applicable

Laboratory Manager Date

Poonly.frm/95

<sup>&</sup>lt;sup>1</sup> These limits are maximum contaminant levels (MCL) as adopted by the Commonwealth of Massachusetts and represent the maximum acceptable level in drinking water.

<sup>&</sup>lt;sup>2</sup> Recommended limits are suggested levels of materials allowed in the water. These may be for aesthetic reasons rather than for human health.

<sup>&</sup>lt;sup>3</sup> Curently there are no limits (recommended or mandated) for this parameter. This is merely presented for guidance.



176 PLYMOUTH STREET BRIDGEWATER, MA 02324 508-697-2650 Fax 508-697-0163

Environmental Chemistry Site Assessment Quality Assurance Services Environmental Services
Site Sampling
Data Auditing

Textron Defense Systems 201 Lowell Street Wilmington, MA 01887-2971

COLLECTED BY: P. Hines

TIME: 1005 hrs.

LOCATION: Bldg. #J-3-6 - Otis Air Force Base - Bourne, MA

SAMPLE DATE: 09/08/95 DATE RECEIVED: 09/08/95 SAMPLE ID: 95-08-7046-2

Compound (regulated)	Result (μg/L)	MCL¹ (μg/L)	Detection Limit (µg/L)	Analytical Method	Date Analyzed
Benzene	ND	5.0	0.5	502.2	09/14/95
Carbon Tetrachloride	ND	5.0	0.5	502.2	09/14/95
1,1-Dichloroethylene	ND	7.0	0.5	502.2	09/14/95
1,2-Dichloroethane	ND	5.0	0.5	502.2	09/14/95
para-Dichlorobenzene ·	ND	5.0	0.5	502.2	09/14/95
Trichloroethylene	ND	5.0	0.5	502.2	09/14/95
1,1,1-Trichloroethane	ND	200.0	0.5	502.2	09/14/95
Vinyl Chloride	ND	2.0	0.5	502.2	09/14/95
Monochlorobenzene	ND	100.0	0.5	502.2	09/14/95
o-Dichlorobenzene	ND	600.0	0.5	502.2	09/14/95
trans-1,2-Dichloroethylene	ND	100.0	0.5	502.2	09/14/95
cis-1,2-Dichloroethylene	ND	70.0	0.5	502.2	09/14/95
1,2-Dichloropropane	ND	5.0	0.5	502.2	09/14/95
Ethylbenzene	ND	700.0	0.5	502.2	09/14/95
Styrene	ND	100.0	0.5	502.2	09/14/95
Tetrachloroethylene	ND	5.0	0.5	502.2	09/14/95
Toluene	ND	1000.0	0.5	502.2	09/14/95
Xylenes (total)	ND	10000.0	0.5	502.2	09/14/95
Dichloromethane	ND	5.0	0.5	502.2	09/14/95
1,2,4-Trichlorobenzene	ND	70.0	0.5	502.2	09/14/95
1,1,2-Trichloroethane	ND	5.0	0.5	502.2	09/14/95



Compound (unregulated)	Result (μg/L)	MCL¹ (μg/L)	Detection Limit (μg/L)	Analytical Method	Date Analyzed
Chloroform	ND		0.5	502.2	09/14/95
Bromodichloromethane	ND		0.5	502.2	09/14/95
Chlorodibromomethane	ND		0.5	502.2	09/14/95
Bromoform	ND		0.5	502.2	09/14/95
m-Dichlorobenzene	ND		0.5	502.2	09/14/95
Dibromomethane	ND		0.5	502.2	09/14/95
1,1-Dichloropropene	ND		0.5	502.2	09/14/95
1,1-Dichloroethane	ND		0.5	502.2	09/14/95
1,1,2,2-Tetrachloroethane	ND		0.5	502.2	09/14/95
1,3-Dichloropropane	ND		0.5	502.2	09/14/95
Chloromethane	ND		0.5	502.2	09/14/95
Bromomethane	ND		0.5	502.2	09/14/95
1,2,3-Trichloropropane	ND		0.5	502.2	09/14/95
1,1,1,2-Tetrachloroethane	ND		0.5	502.2	09/14/95
Chloroethane	ND		0.5	502.2	09/14/95
2,2-Dichloropropane	ND		0.5	502.2	09/14/95
o-Chlorotoluene	ND		0.5	502.2	09/14/95
p-Chlorotoluene	ND		0.5	502.2	09/14/95
Bromobenzene	ND		0.5	502.2	09/14/95
1,3-Dichloropropene	ND		0.5	502.2	09/14/95
1,2,4-Trimethylbenzene	ND		0.5	502.2	09/14/95
1,2,3-Trichlorobenzene	ND		0.5	502.2	09/14/95
n-Propylbenzene	ND		0.5	502.2	09/14/95
n-Butylbenzene	ND		0.5	502.2	09/14/95
Naphthalene	ND		0.5	502.2	09/14/95
Hexachlorobutadiene	ND		0.5	502.2	09/14/95
1,3,5-Trimethylbenzene	ND		0.5	502.2	09/14/95



Compound (regulated)	Result (µg/L)	MCL¹ (μg/L)	Detection Limit (μg/L)	Analytical Method	Date ' Analyzed
p-Isopropyltoluene	ND		0.5	502.2	09/14/95
Isopropylbenzene	ND		0.5	502.2	09/14/95
tert-Butylbenzene	. ND		0.5	502.2	09/14/95
sec-Butylbenzene	ND	*****	0.5	502.2	09/14/95
Fluorotrichloromethane	ND	*****	0.5	502.2	09/14/95
Dichlorodifluoromethane	ND		0.5	502.2	09/14/95
Bromochloromethane	ND		0.5	502.2	09/14/95

<sup>&</sup>lt;sup>1</sup> These limits are maximum contaminant levels (MCL) as adopted by the Commonwealth of Massachusetts and represent the maximum acceptable level in drinking water. If the column has dashes, there is presently no maximum contaminant level associated with this compound.

Surrogate Recoveries (As required by EPA methods 524.1 and 524.2)

Compound	% Recovered	QC Limits (%)		
2-Bromo-1-chloropropane	106	80-120		
4-Bromofluorobenzene	93	80-120		

Innot 1. B - 1/95

Laboratory Manager / Date



176 PLYMOUTH STREET BRIDGEWATER, MA 02324 508-697-2650 Fax 508-697-0163

Environmental Chemistry Site Assessment Quality Assurance Services Environmental Services
Site Sampling
Data Auditing

Textron Defense Systems 201 Lowell Street Wilmington, MA 01887-2971

COLLECTED BY: P. Hines

TIME: 1005 hrs.

LOCATION: Bldg. #J-3-6 - Otis Air Force Base - Bourne, MA

SAMPLE DATE: 09 08 95 DATE RECEIVED: 09 08 95

SAMPLE ID: 95-08-70-6-2

Compound (regulated)	Result (μg/L)	MCL' (μg/L)	Detection Limit (µg/L)	Analytical Method	Date Analyzed
Benzene	ND	5.0	0.5	502.2	09/14/95
Carbon Tetrachloride	- ND	5.0	0.5	502.2	09/14/95
1,1-Dichloroethylene	ND	7.0	0.5	502.2	09/14/95
1,2-Dichloroethane	ND	5.0	0.5	502.2	09/14/95
para-Dichlorobenzene .	ND	5.0	0.5	502.2	09/14/95
Trichloroethylene	ND	5.0	0.5	502.2	09/14/95
1,1,1-Trichloroethane	ND	200.0	0.5	502.2	09/14/95
Vinyl Chloride	ND	2.0	0.5	502.2	09/14/95
Monochlorobenzene	ND	100.0	0.5	502.2	09/14/95
o-Dichlorobenzene	ND =	600.0	0.5	502.2	09/14/95
trans-1,2-Dichloroethylene	ND	100.0	0.5	502.2	09/14/95
cis-1,2-Dichloroethylene	ND	70.0	0.5	502.2	09/14/95
1,2-Dichloropropane	ND	5.0	0.5	502.2	09/14/95
Ethylbenzene	ND	700.0	0.5	502.2	09/14/95
Styrene	ND	100.0	0.5	502.2	09/14:95
Tetrachloroethylene	ND	5.0	0.5	502.2	09/14:95
Toluene	ND	1000.0	0.5	502.2	09/14/95
Xylenes (total)	ND	10000.0	0.5	502.2	09/14/95
Dichloromethane	ND .	5.0	0.5	502.2	09/14 95
1,2,4-Trichlorobenzene	ND	70.0	0.5	502.2	09/14 95
1,1,2-Trichloroethane	ND	5.0	0.5	502.2	09/14/95



Compound (unregulated)	Result (µg/L)	MCL¹ (μg/L)	Detection Limit (µg/L)	Analytical Method	Date , Analyzed
Chloroform	ND	•••••	0.5	502.2	09/14/95
Bromodichloromethane	ND		0.5	502.2	09/14/95
Chlorodibromomethane	ND	•	0.5	502.2	09/14/95
Bromoform	ND	****	0.5	502.2	09/14/95
m-Dichlorobenzene	ND		0.5	502.2	09/14/95
Dibromomethane	ND	•	0.5	502.2	09/14/95
1,1-Dichloropropene	ND		0.5	502.2	09/14/95
1,1-Dichloroethane	ND		0.5	502.2	09/14/95
1,1,2,2-Tetrachloroethane	ND		0.5	502.2	09/14/95
1,3-Dichloropropane	ND		0.5	502.2	09/14/95
Chloromethane	ND		0.5	502.2	09/14/95
Bromomethane	ND		0.5	502.2	- 09/14/95
1,2,3-Trichloropropane	ND		0.5	502.2	09/14/95
1,1,1,2-Tetrachloroethane	ND	••••	0.5	502.2	09/14/95
Chloroethane	ND		0.5	502.2	09/14/95
2,2-Dichloropropane	ND		0.5	502.2	09/14/95
o-Chlorotoluene	ND		0.5	502.2	09/14/95
p-Chlorotoluene	ND	••••	0.5	502.2	09/14/95
Bromobenzene	ND		0.5	502.2	09/14/95
1,3-Dichloropropene	ND	****	0.5	502.2	09/14/95
1,2,4-Trimethylbenzene	ND		0.5	502.2	09/14/95
1,2,3-Trichlorobenzene	ND		0.5	502.2	09/14/95
n-Propylbenzene	ND	•	0.5	502.2	09/14/95
n-Butylbenzene	ND		0.5	502.2	09/14/95
Naphthalene	ND		0.5	502.2	09/14/95
Hexachlorobutadiene	ND		0.5	502.2	09/14/95
1,3.5-Trimethylbenzene	ND		0.5	502.2	09/14/95

Jonathan Bourne Public Library

19 Sandwich Rd.

Bourne, MA 02532

201 Lowell Street, Wilmington, MA 01887

CONFIDENTIAL

TEXTRON PRIVATE

TO R. Clark

DATE 11 September 1992 B220-JP-92-136

FROM J. Pinciaro

SUBJECT Drinking Water Quality

COMPANY PRIVATE

COPY TO R. Bellaire, B. Smith, R. Stephens, J. Tanin, File

Analysis of water samples taken from Building J3-6 and Building J3-7 indicates that the "first run" water has elevated copper levels (see attached reports). The elevated copper in the "first run" is probably due to the slightly acid (pH = 6) water "resting" on fairly new copper tubing which probably is not, as yet, mineral coated. This condition may improve with time and usage.

In the meantime, the "first run" water is not suitable for drinking, cooking or other human consumption purposes. Since bottled water for drinking purposes is already available, it is prudent to post the well water outlet sources as non-potable and instruct the employees not to use it for consumption. If this is not practical, signs and instructions to flush the lines prior to water consumption usage is advised.

Joe Pinciaro, Manager Industrial Safety & Loss Prevention

JP:amb Attachment

19 5 dwich Rd.
Bound, MA 02532



WATER - WASTEWATER - FOOD - DAIRY PRODUCTS
CHEMICAL & BACTERIOLOGICAL ANALYSES
Telephone (508) 697-2650
FAX (508) 697-0163

CONFIDENTIAL

August 25, 1992

Textron Defense Systems 201 Lowell Street Wilmington, MA 01887-2971

# **TEXTRON PRIVATE**

Subject: Well Waters - Existing Wells

Otis Air Force Base - Bourne, MA

COMPANY PRIVATE

- 1) Building J3-6 1st drawn
- 2) Building J3-6 2nd drawn
- 3) Building J3-7 1st drawn
- 4) Building J3-7 2nd drawn

	Copper mg/l.	Maximum Contaminant Level mg/1.	Analytical Method
1)	3.53	1.00	EPA 220.1
2)	0.80	1.00	EPA 220.1
3)	1.08	1.00	EPA 220.1
4)	0.08	1.00	EPA 220.1

Samples collected by agent of Textron Defense Systems - 8/19/92.

Samples delivered to laboratory by agent of Textron Defense - Systems - 8/19/92 at 2:00 P.M.

Jonathan Bourne Public Library
19 Sandwich Rd.
Bourne, MA 02532

## COMPANY PRIVATE

LABORATORY 176 PLYMOUTH STREET BRIDGEWATER, MA 02324

#### OLIVEIRA ENVIRONMENTAL LABORATORIES, INC.

WATER - WASTEWATER - FOOD - DAIRY PRODUCTS
CHEMICAL & BACTERIOLOGICAL ANALYSES
Telephone (508) 697-2650
FAX (508) 697-0163

CONFIDENTIAL

July 30, 1992

Textron Defense Systems 201 Lowell Street Wilmington, MA 01887-2971

**TEXTRON PRIVATE** 

Source: Well Water - Existing Well

Collected from Building J3-1 Otis Air Force Base - Bourne, MA

	mg/1.	Maximum Contaminant Level mg/l.	Analytical Method
Arsenic (As)	L 0.002	0.05	EPA 206.3
Barium (Ba)	L 0.10	1.00	EPA 208.1
Cadmium (Cd)	L 0.001	0.01	EPA 213.1
Total Chromium	L 0.01	0.05	EPA 218.1
Copper (Cu)	0.18	1.00	EPA 220.1
Lead (Pb)	L 0.01	0.05	EPA 239.1
Mercury (Hg)	L 0.0005	0.002	245.1*
Selenium (Se)	L 0.002	0.01	EPA 270.3
Silver (Ag)	L 0.002	0.05	EPA 272.1
Fluoride (F)	0.34	4.00	EPA 340.1

L = less than

\*EPA Modified/Hydride

On site collection made by R. Perry of Oliveira Laboratories - 7/21/92.

Jonathan Bourne Public Library

19 Sandwich Rd. Bourne, MA 02532



#### OFFICE 1498 HIGH STREET BRIDGEWATER, MA 02324

## OLIVEIRA ENVIRONMENTAL LABORATORIES, INC.

WATER - WASTEWATER - FOOD - DAIRY PRODUCTS CHEMICAL & BACTERIOLOGICAL ANALYSES TEL (508) 697-2650 FAX. (508) 697-0163

July 30, 1992

Textron Defense Systems 201 Lowell Street Wilmington, MA 01887-2971

Source: Well Water - Existing Well

Collected from Building J3-1 Otis Air Force Base - Bourne, MA

Analysis Number: 7659

Analysis Date: 7/29/92

Analyte	Result	MCL	Detection	Analytical
mary cc	ug/l	ug/l	Limit ug/l	Method
Benzene	ND	5.0	0.1	503.1
Carbon Tetrachloride	ND	5.0	0.1	502.1
l,l-Dichloroethylene	ND	7.0	0.1	502.1
1,2-Dichloroethane	ND	5.0	0.1	502.1
para-Dichlorobenzene	ND	5.0	0.5	503.1
Trichloroethylene	ND	5.0	0.1	502.1 & 503.1
1,1,1-Trichloroethane	ND	200.	0.1	502.1
Vinyl Chloride	ND	2.0	0.1	502.1
Bromobenzene	ND		0.5	502.1 & 503.1
Bromodichloromethane	ND		0.1	502.1
Bromoform	ND		0.5	502.1
Bromomethane	ND		0.2	502.1 & 503.1
Chlorobenzene	ND		0.1	502.1
Chlorodibromomethane	ND		0.5	502.1
Chloroethane	ND		0.1	502.1
Chloroform	ND		0.1	502.1
Chloromethane	. ND		0.1	502.1
o-Chlorotoluene	ND		0.1	502.1 & 503.1
p-Chlorotoluene	ND		0.1	502.1 & 503.1
Dibromomethane	ND		0.1	502.1
m-Dichlorobenzene	ND		0.5	502.1 & 503.1
o-Dichlorobenzene	ND		0.5	502.1 & 503.1
trans-1,2-Dichloroethylene	ND		0.1	502.1
cis-1,2-Dichloroethylene	ND		0.1	502.1
Dichloromethane	ND		0.1	502.1
1,1-Dichloroethane	ND		0.1	502.1
1,1-Dichloropropene	ND		0.1	502.1
1,3-Dichloropropene	ND		0.1	502.1
1,2-Dichloropropane	ND		: 0.1	502.1
1,3-Dichloropropane	ND		0.1	502.1
2,2-Dichloropropane	ND	1	0.1	502.1
Ethylbenzene	ND		0.1	503.1
Styrene	ND		0.1	503.1



WATER - WASTEWATER - FOOD - DAIRY PRODUCTS CHEMICAL & BACTERIOLOGICAL ANALYSES TEL (508) 697-2650 FAX (508) 697-0163

page 2

Analyte	Result ug/1	MCL ug/l	Detection Limit ug/l	Analytical Method
1,1,2-Trichloroethane	ND		0.1	502.1
1,1,1,2-Tetrachloroethane	ND		0.1	502.1
1,1,2,2-Tetrachloroethane	ND		0.1	502.1
Tetrachloroethylene	ND		0.1	502.1 & 503.1
1,2,3-Trichloropropane	ND		0.1	502.1
Toluene	ND		0.1	503.1
p-Xylene	ND		0.5	503.1
o-Xylene	ND		0.5	503.1
m-Xylene	ND		0.5	503.1
Bromochloromethane	ND		0.1	502.1
n-Butylbenzene	ND		0.1	503.1
Dichlorodifluoromethane	ND		0.1	502,1
Fluorotrichloromethane	ND		0.1	502.1
Hexachlorobutadiene	ND		0.1	503.1
Isopropylbenzene	ND		0.1	503.1
o-Isopropyltoluene	ND		0.1	503.1
Naphthalene ·	ND		0.5	503.1
n-Propylbenzene	ND		0.1	503.1
Sec-butylbenzene	ND		0.1	503.1
Tert-butylbenzene	ND		0.1	503.1
1,2,3-Trichlorobenzene	ND		0.1	503.1
1,2,4-Trichlorobenzene	ND ·		0.1	503.1
1,2,4- Trimethylbenzene	ND		0.1	503.1
1,3,5-Trimethylbenzene	ND .		0.1	503.1
Ethylene Dibromide (EDB)	ND		0.01	504
I,2-Dibromo-3- chloropropane (DBCP)	ND		0.01	504

MCL = Maximum Contaminant Level

Notes: ND = None Detected (Below minimum detectable level - MDL)

Tested by Lab #MA022

## Surrogate Recoveries

Compound	% Recovered	QC Limits
2-Bromo-1-chloropropane	97	80-120
Fluorobenzene	99	80-120

On site collection made by R. Perry of Oliveira Laboratories - 7/21/92.

Director Director



WATER - WASTEWATER - FOOD - DAIRY PRODUCTS
CHEMICAL & BACTERIOLOGICAL ANALYSES
Telephone (508) 697-2650
FAX (508) 697-0163

July 30, 1992

Textron Defense Systems 201 Lowell Street Wilmington, MA 01887-2971

Source: Well Water - Existing Well

Collected from Building J3-6 Otis Air Force Base - Bourne, MA

	_mg/1.	Maximum Contaminant Level mg/l.	Analytical Method
Arsenic (As)	L 0.002	0.05	EPA 206.3
Barium (Ba)	L 0.10	1.00	EPA 208.1
Cadmium (Cd)	L 0.001	0.01	EPA 213.1
Total Chromium .	L 0.01	0.05	EPA 218.1
Copper (Cu)	2.35	1.00	EPA 220.1
Lead (Pb)	L 0.01	0.05	EPA 239.1
Mercury (Hg)	L 0.0005	0.002	245.1*
Selenium (Se)	L 0.002	0.01	EPA 270.3 °
Silver (Ag)	L 0.002	0.05	EPA 272.1
Fluoride (F)	0.27	4.00	EPA 340.1

L = less than

\*EPA Modified/Hydride

On site collection made by R. Perry of Oliveira Laboratories - 7/21/92.



#### OFFICE 1498 HIGH STREET BRIDGEWATER, MA 02324

## OLIVEIRA ENVIRONMENTAL LABORATORIES, INC.

WATER - WASTEWATER - FOOD - DAIRY PRODUCTS
CHEMICAL & BACTERIOLOGICAL ANALYSES
TEL (508) 697-2850
FAX. (508) 697-0163

July 30, 1992

Textron Defense Systems 201 Lowell Street Wilmington, MA 01887 - 2971

Source: Well Water - Existing Well

Collected from Building J3-6 - Otis Air Force Base - Bourne, MA

Analysis Number: 7658 Analysis Date: 7/29/29

1 42	Result	MCL	Detection	Analytical
Analyte	ug/l	ug/1	Limit ug/l	Method
Benzene	ND	5.0	_0,1	503.1
Carbon Tetrachloride	ND	5.0	0,1	502.1
1,1-Dichloroethylene	ND	7.0	0,1	502.1
1,2-Dichloroethane	ND	5.0	0,1	502.1
para-Dichlorobenzene	ND	5.0	0,5	503.1
Trichloroethylene	ND	5.0	0.1	502.1 & 503.1
1,1,1-Trichloroethane	ND	200.	0.1	502.1
Vinyl Chloride	ND	2.0	0.1	502.1
Bromobenzene	ND		0.5	502.1 & 503.1
Bromodichloromethane	ND		0.1	502.1
Bromoform	ND		0.5	502.1
Bromomethane	ND		0.2	502.1 & 503.1
Chlorobenzene	ND		0.1	502.1
Chlorodibromomethane	ND		0.5	502.1
Chloroethane	ND		0.1	502.1
Chloroform	ND		0.1	502.1
Chloromethane	. ND		0.1	502.1
o-Chlorotoluene	ND		0.1	502.1 & 503.1
p-Chlorotoluene	ND		0.1	502.1 & 503.1
Dibromomethane	ND		0.1	502.1
m-Dichlorobenzene	ND	-	0.5	502.1 & 503.1
o-Dichlorobenzene	ND		0.5	502.1 & 503.1
trans-1,2-Dichloroethylene	ND		0.1	502.1
cis-1,2-Dichloroethylene	ND		0.1	502.1
Dichloromethane	ND		0.1	502.1
l,1-Dichloroethane	ND		0.1	502.1
l,1-Dichloropropene	ND		0.1	502.1
1,3-Dichloropropene	ND		0.1	502.1
1,2-Dichloropropane	ND		. 0.1	502.1
1,3-Dichloropropane	ND		0.1	.502.1
2,2-Dichloropropane	ND		0.1	502.1
Ethylbenzene	ND		0.1	503.1
Styrene	ND		0.1	503.1



WATER - WASTEWATER - FOOD - DAIRY PRODUCTS CHEMICAL & BACTERIOLOGICAL ANALYSES TEL (508) 697-2650 FAX (508) 697-0163

page 2

Analyte	Result ug/l	MCL ug/l	Detection Limit ug/l	Analytical Method
1,1,2-Trichloroethane	ND		0.1	502.1
1,1,1,2-Tetrachloroethane	ND		0.1	502.1
1,1,2,2-Tetrachloroethane	ND		0.1	502.1
Tetrachloroethylene	ND		0.1	502.1 & 503,7
1,2,3-Trichloropropane	ND		0.1	502.1
Toluene	ND		0.1	503.1
p-Xylene	ND		0.5	503.1
o-Xylene	ND		0.5	503.1
m-XyIene	ND		0.5	503.1
Bromochloromethane	ND		0.1	502,1
n-Butylbenzene	ND		0.1	503.1
Dichlorodifluoromethane	ND		0.1	502.1
Fluorotrichloromethane	ND		0.1	502.1
Hexachlorobutadiene	ND		0.1	503.1
Isopropylbenzene	ND		0.1	503.1
p-Isopropyltoluene	ND		0.1	503.1
Naphthalene	ND		0.5	503.1
n-Propylbenzene	ND		0.1	503.1
Sec-butylbenzene	ND		0.1	503.1
Tert-butylbenzene	ND		0.1	503.1
1,2,3-Trichlorobenzene	ND		0.1	503.1
1,2,4-Trichlorobenzene	ND		0.1	503.1
1,2,4- Trimethylbenzene	ND		0.1	503.1
1,3,5-Trimethylbenzene	ND		0.1	503.1
Ethylene Dibromide (EDB)	ND		0.01	504 ~
I,2-Dibromo-3- chloropropane (DBCP)	ND		0.01	504

MCL = Maximum Contaminant Level

Notes: ND = None Detected (Below minimum detectable level - MDL)

Tested by Lab #MA022

## Surrogate Recoveries

Compound	% Recovered	· QC Limits
2-Bromo-1-chloropropane Fluorobenzene	100 101	80-120 80-120

On site collection made by R. Perry of Oliveira Laboratories - 7/21/92.

X To Chiver



#### OFFICE 1498 HIGH STREET BRIDGEWATER, MA 02324

## OLIVEIRA ENVIRONMENTAL LAB

FOOD - DAIRY PRODUCTS - WATER - W

CHEMICAL & BACTERIOLOGICAL A

697-2650

De

Avco Systems Division Ballistic Test Facility P.O. Box 900 Forest Dale, Mass. 02644

Well Water - Bored Well with well point Subject: (Lower Well)

Located on the Avco Systems Site - Otis Ai

/100 ml @ 35 C Membrane Filter

Coliform Count

S.P.C./ml

27 @ 35 C

Color (APC units)	,0
Sediment	none
Turbidity (NTU)	0.27
Odor	none
Taste	satisfactory
рН	5.6
Specific Conductance	440

110.

5.00

0.008

0

mg /liter

micromhos/cm

Mitragen - Nitrite

Total Alkalinity (CaCO <sub>3</sub> )		
Free CO <sub>2</sub>	24.7	
Total Hardness (CACO <sub>3</sub> )	20.0	
Calcium (Ca)	4.00	
Magnesium (Mg)	2.44	•
Sodium (Na)	8.60	
Potassium (K)	0.72	
Total Iron (Fe)	0.03	
Manganese (Mn)	L 0.01	

Manganese (Mn) 8.80 Silica (SiO<sub>2</sub>) 8.00 Sulfate (SO4) 13.0 Chloride (CI) 0.24 Nitrogen - Ammonia



The Standard Plate Count indiceted the general bacterial population of the well at the

### Coliform Group Becteria:

Significence

The coliform group bacterie includes organisms found in the intestinal tracts of werm blo leaves, wood, etc.), the top 2 to 3 feet of the soil, lakes, ponds, brooks, rivers, dreinal

Because the organisms can cause some illness; because the presence of coliform organisms may be present, weter containing one or more coliform group becteria per 1 cooking purposes unless boiled 5 minutes or disinfected by other means.

This becterie is of animal origin (intestinal tract) end may be considered as closely associatione should be present.

Color — APC Units - Ground weter ought to be practically free from color. For attrac

Turbidity - NT Units - Recommended limit not to exceed 5 units.

Odor & Taste - For water to be of high quality, the water should be odor free end to

pH — The pH value defines the concentration of free hydrogen ions in solution. Express very alkaline with 7.0 being neutral.

Specific Conductance — Conductivity is a good criterion for measuring the degree of m on chemical equilibria.

Total Alkalinity — The alkalinity of this water represents its content of carbonates and Free Carbon Dioxide — Well water having a low pH and e Free CO<sub>2</sub> level in excess of 5

copper tubing and fittings.

Total Hardness — Standard not to exceed 50. mg/l. Waters having a hardness level or 100 years hard.

100 very hard.

Calcium — Calcium contributes to the total hardness of water. Appreciable amounts of

in boilers, pipes and cooking utensils.

Magnesium — Magnesium is a common constituent of naturel water. Magnesium and c

ness. Concentrations in excess of 125 mg/l can exert a cathartic and diuretic ac Sodium — Recommended limit not to exceed 20 mg/l.

Potassium — Potassium concentrations in drinking water seldom exceed 20. mg/l.

Total Iron — Standard not to exceed 0.3 mg/l.

Manganese — Standard not to exceed 0.05 mg/l. The principal reason for limiting the coeconomic problems.

Silica — Silica content of natural water is most commonly in the 1 to 30 mg/l. Silica is remove silica scales.

Sulfates - Standard not to exceed 250 mg/l.



The Standard Plete Count indicated the general bacterial population of the well at Coliform Group Bacteria:

SignIfIcence

The coliform group bacteria includes organisms found in the intestinal trects of ware leaves, wood, etc.), the top 2 to 3 feet of the soil, lakes, ponds, brooks, rivers, do

Because the organisms can cause some illness; because the presence of coliform organisms may be present, water containing one or more coliform group bacteria cooking purposes unless boiled 5 minutes or disinfected by other means.

This bacteria is of animal origin (intestinal tract) and may be considered as closely as

none should be present.

Color — APC Units - Ground water ought to be practically free from color. For a

Turbidity - NT Units - Recommended limit not to exceed 5 units.

Turblaity — NT Units - Recommended limit not to exceed 5 units

Odor & Taste — For water to be of high quality, the water should be odor free

pH — The pH value defines the concentration of free hydrogen ions in solution. Exvery alkaline with 7.0 being neutral.

on chemical equilibria.

Total Alkalinity — The alkalinity of this water represents its content of carbonate

Free Carbon Dioxide — Well water having a low pH and a Free CO<sub>2</sub> level in excess

copper tubing end fittings.

Total Hardness — Standard not to exceed 50. mg/l. Waters having a hardness lever 100 very hard.

Specific Conductance - Conductivity is a good criterion for measuring the degree

Calcium — Calcium contributes to the total hardness of water. Appreciable amoun in boilers, pipes and cooking utensils.

in boilers, pipes and cooking utensils.

Magnesium — Magnesium is a common constituent of natural water. Magnesium

Potassium - Potassium concentrations in drinking water seldom exceed 20, mg/

ness. Concentrations in excess of 125 mg/l can exert a cathartic and diure

Sodium - Recommended limit not to exceed 20 mg/l.

Total Iron — Standard not to exceed 0.3 mg/l.

Total fron — Standard flot to exceed 0.5 fr

Manganese — Standard not to exceed 0.05 mg/l. The principal reason for limiting t economic problems.

Silica - Silica content of natural water is most commonly in the 1 to 30 mg/l. S

remove silica scales.

Sulfates — Standard not to exceed 250 mg/l.

.....



FOOD - DAIRY PRODUCTS - WATER - WASTEWATER
CHEMICAL & BACTERIOLOGICAL ANALYSES
697-2660

December 12, 1984

Avco Systems Division Ballistic Test Facility P.O. Box 900 Forest Dale, Mass. 02644

Subject: Well Water - Bored Well with well point

(Upper Well)

Located on the Avco Systems Division Site - Otis Air Force Base - Camp Edwards Bourne, Mass.

Coliform Count /100 ml @ 35 C Membrane Filter

(

S.P.C./ml @ 35 C

50

Color (APC units)	0	
Sediment	none	
Turbidity (NTU)	0.42	
Odor	none	
Taste	metallic metallic	
рН	6.3	
Specific Conductance micromhos/cm	85•:	

#### mg /liter

Total Alkalinity (CaCO <sub>3</sub> )	14.0	
Free CO <sub>2</sub>	13.6	
Total Hardness (CACO <sub>3</sub> )	22.0	
Calcium (Ca)	6.40	
Magnesium (Mg).	1.46	
Sodium (Na)	6.30	
Potassium (K)	0.48	
Total Iron (Fe)	0.80	
Manganese (Mn)	L 0.01	
Silica (SiO <sub>2</sub> )	9.00	
Sulfate (SO <sub>4</sub> )	15.0	
Chloride (CI)	15.0	
Nitrogen - Ammonia	0.15	
Nitrogen - Nitrite	0.008	
Nitrogen - Nitrate	0.94	
Copper (Cu)	1.75	

#### L = less than

On site collection made by V. Oliveira - 12/7/84 at 11:15 A.M.

Bacteriologically, this well water is of a satisfactory sanitary standard and is suitable for drinking and domestic purposes.

Chemically, this well water is high in iron content. The taste is affected by the high iron content. The high copper content is due to an acidic water attacking the copper tubing. This level is generally high in the first drawn water and then flushes out with usage. All other chemicals tested meet the standards.

Victor Director

Jonethan Bourne Public Library
19 Sandwich Rd.
Bourne, MA 02532

WATER - WASTEWATER - FOOD - DAIRY PRODUCTS CHEMICAL & BACTERIOLOGICAL ANALYSES

> Telephone (508) 697-2650 FAX (508) 697-0163

> > July 30, 1992

Textron Defense Systems 201 Lowell Street Wilmington, MA 01887-2971

Source: Well Water - Existing Well

Collected from Building J3-1 Otis Air Force Base - Bourne, MA

Coliform Count /100 ml @ 35 C

0

Membrane Filter

S.P.C./ml @ 35 C

8

Color (APC units)	2.50	
Sediment	none	
Turbidity (NTU)	0.34	
Odor	none	
Taste	satisfactory	
pH	6,10	
Specific Conductance micromhos/cm	47.5	

mg /liter

Total Alkalinity (CaCO <sub>3</sub> )	7.00	
Free CO <sub>2</sub>	10.8	
Total Hardness (CACO <sub>3</sub> )	10.0	
Calcium (Ca)	1.60	
Magnesium (Mg)	1.46	
Sodium (Na)	5.40	
Potassium (K)	0.62	
Total Iron (Fe)	0.05	
Manganese (Mn)	L 0.01	
Silica (SiO <sub>2</sub> )	6.90	
Sulfate (SO₄)	10.0	
Chloride (CI)	7.00	
Nitrogen - Ammonia	0.03	
Nitrogen - Nitrite	0.003	
Nitrogen - Nitrate	0.30	
Copper (Cu)		

#### L = less than

On site collection made by R. Perry of Oliveira Laboratories - 7/21/92.

Bacteriologically, this well water is of a satisfactory sanitary standard and is suitable for drinking and domestic purposes.

Chemically, this well water meets the standards for all of the chemicals tested.



The Standard Plate Count indicated the general bacterial population of the well at the time of collection.

#### Coliform Group Bacteria:

#### Significance

The coliform group bacteria includes organisms found in the intestinal tracts of warm blooded animals, birds, decaying organic matter (hay, leaves, wood, etc.), the top 2 to 3 feet of the soil, lakes, ponds, brooks, rivers, drainage and types of vegetation.

Beceuse the organisms can ceuse some illness; because the presence of coliform organisms in the water suggests that other more harmful organisms may be present, water containing one or more coliform group bacteria per 100 ml of sample should not be used for drinking or cooking purposes unless boiled 5 minutes or disinfected by other meens.

This bacteria is of animal origin (intestinal tract) and may be considered as closely associated with disease causing organisms. On this factor, none should be present.

Color - APC Units - Ground water ought to be practically free from color. For attractive water - color should not exceed 15 units.

Turbidity - NT Units - Recommended limit not to exceed 5 units.

Odor & Taste - For water to be of high quality, the water should be odor free and taste good.

pH — The pH velue defines the concentration of free hydrogen ions in solution. Expressed on a scale extending from 0 or very acid to 14 or very alkeline with 7.0 being neutral.

Specific Conductance — Conductivity is a good criterion for measuring the degree of mineralization and essessing the affect of diverse ions on chemical equilibria.

Total Alkalinity - The alkalinity of this water represents its content of carbonates and bicarbonates.

Free Carbon Dioxide — Well water having e low pH and a Free CO<sub>2</sub> level in excess of 50. mg/l will be corrosive to iron, bronze, brass and copper tubing and fittings.

Total Hardness — Standard not to exceed 50. mg/l. Waters having a hardness level of 50 to 100 are in the medium hardness range, over 100 very hard.

Calcium --- Calcium contributes to the total hardness of water. Appreciable amounts of calcium salts break down on heating and form scale in boilers, pipes and cooking utensils.

Magnesium — Magnesium is a common constituent of natural water. Magnesium and calcium ions are principal contributors to water hardness. Concentrations in excess of 125 mg/l can exert a cathartic and diuretic action.

Sodium - Recommended limit not to exceed 20 mg/l.

Potassium - Potassium concentrations in drinking water seldom exceed 20. mg/l.

Total Iron - Standard not to exceed 0.3 mg/l.

Manganese — Standard not to exceed 0.05 mg/l. The principal reason for limiting the concentration of manganese is to reduce esthetic and economic problems.

Silica — Silica content of natural water is most commonly in the 1 to 30 mg/l. Silica in water is undesirable because it forms difficult to remove silica scales.

Sulfates - Standard not to exceed 250 mg/l.

Chloride - Standard not to exceed 250 mg/l.

Nitrogen — Ammonia is present in variable concentrations in many surface and ground waters. Its occurrence in ground water is generally a result of natural reduction processes.

Nitrogen - Nitrite — Nitrite in water poses a health hazard, but fortunately seldom occurs in high concentrations. Waters with a nitrogen - nitrite concentration over 1 mg/l should not be used for infent feeding.

Nitrogen - Nitrate — Standard not to exceed 10. mg/l. Nitrate, in high concentrations can and do cause methemoglobinemia or so-called nitrate poisoning in infants. Water with 10 or more mg/l of nitrate is unsatisfactory and is not considered safe for drinking or cooking. It is especially dangerous to children and should never be used in infant formulas.

Copper - Standard not to exceed 1.0 mg/l.

Jonathan Bourne Public Library
19 Sandwich Rd.
Bourne, MA 62532

# COMPIDENTIAL

## COMPANY PRIVATE

SYSTEMS DIVISION 201 Lowell Street Wilmington, Massachusetts 01887 INTEROFFICE MEMORANDUM

TO D. Maynard

CONFIDENTIAL

DATE 18 December 1984 F282-DP-84-208

FROM D. Parrella

TEXTRON PRIVATE

SUBJECT Well Water Quality, Avco Ballistic Facility, Camp Edwards

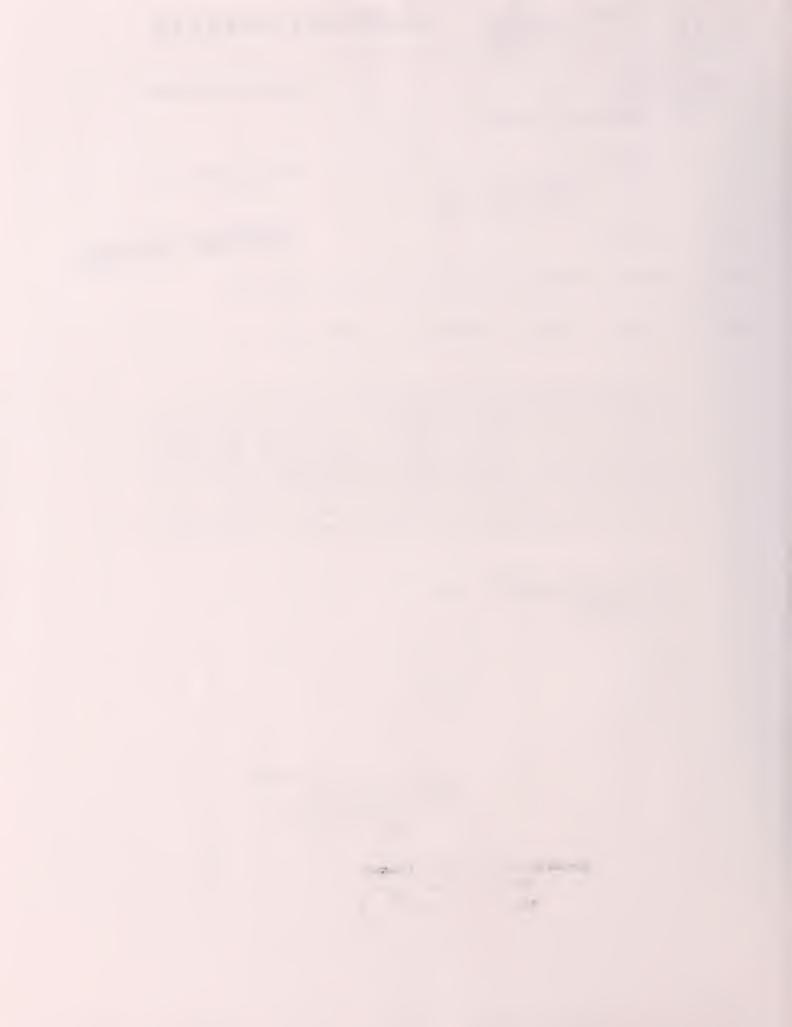
COPY TO R. Clark, M. Cronin, R. Stephens, E. Thiboult, file

On 7 December 1984 Oliveria Environmental Laboratories, Inc. of Bridgewater, MA collected samples of water from both wells at Avco Ballistic Facility, Camp Edwards, MA. The upper well serves the shop (J-3-1), Melt-pour (J-3-3) and office trailer. Lower well serves Environmental (J-3-7) and Assembly (J-3-6) Buildings. Reports were recently reviewed. Chemically and bacteriologically this water is of a satisfactory standard for drinking and domestic purposes. Results of total volatile organics will be forth coming. Enclosed are reports which should be held on permanent record for future reference.

David Parrella
A.B.F Engineer

mak

Jerethan Bourne Public Liberty
19 Sandwich Rd.
Beurne, MA 02532



FOOD - DAIRY PRODUCTS - WATER - WASTEWATER
CHEMICAL & BACTERIOLOGICAL ANALYSES
697-2650

December 12, 1984

Avco Systems Division Ballistic Test Facility P.O. Box 900 Forest Dale, Mass. 02644

Subject: Bored Well with well point

(Lower Well)

Located on the Avco Systems Site - Otis Air Force Base - Camp Edwards -

Bourne, Mass

	mg/1.	Maximum Contaminant Level mg/1.
Arsenic	L 0.002	0.05
Barium	L 0.10	1.00
Cadmium	L 0.001	0.010
Total Chromium	L 0.01	0.05
Lead	L 0.01	0.05
Mercury	L 0.0005	0.002
Selenium	L 0.002	0.01
Silver	L 0.002	0.05
Fluoride	L 0.05	2.0
	Methodo	logy
Arsenic, Mercury, Selenium	Atomic Absorption	on - with Hydride System

Arsenic, Mercury, Selenium Atomic Absorption - with Hydride System

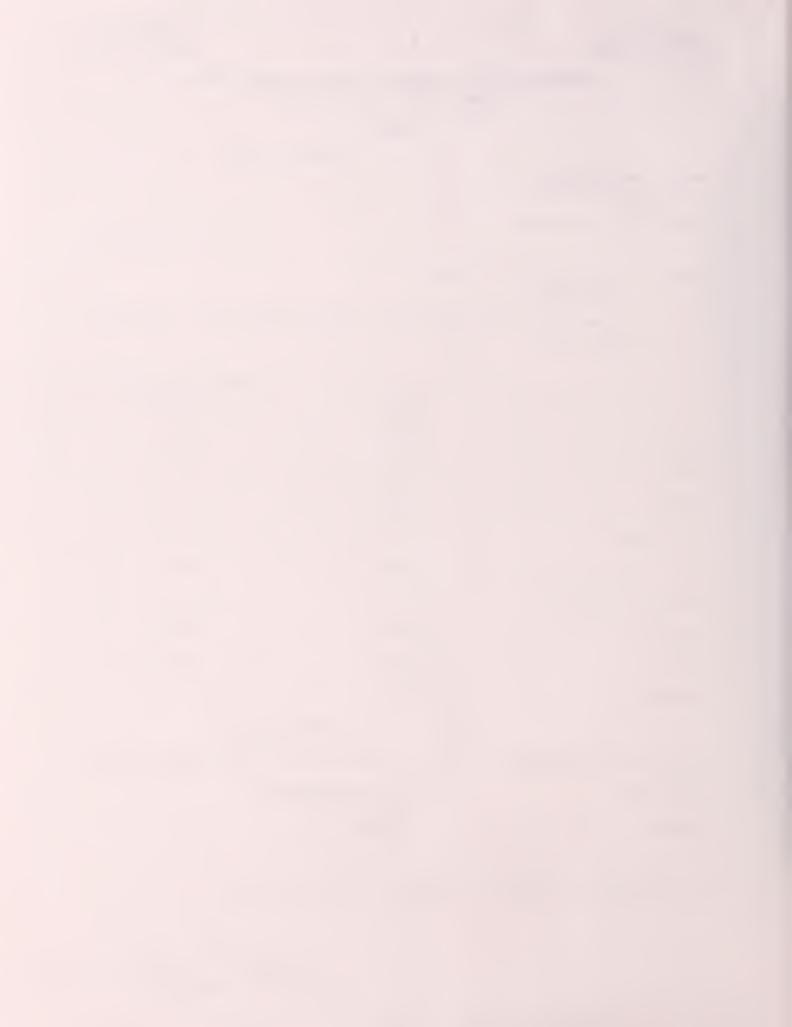
Trace Metals Atomic Absorption

Fluoride SPADN

L = less than

On site collection made by V. Oliveira - 12/7/84 at 11:15 A.M.

Vants Christine
Director



FOOD - DAIRY PRODUCTS - WATER - WASTEWATER
CHEMICAL & BACTERIOLOGICAL ANALYSES

897-2650

December 12, 1984

Commission of the control of the con

Avco Systems Division Ballistic Test Facility P.O. Box 900 Forest Dale, Mass. 02644

Subject: Well Water - Bored Well with well point

(Upper Well)

Located on the Avco Systems Site - Otis Air Force Base - Camp Edwards - Bourne, Mass.

	mg/1.	Maximum Contaminant Level mg/1.
Arsenic	L 0.002 .	0.05
Barium	L 0.01	1.00
Cadmium	. L 0.001	0.010
Total Chromium	L 0.01	. 0.05
Lead	L 0.01	0.05
Mercury	L 0.0005	0.002
Selenium	L 0.002	0.01
Silver	L 0.002	0.05
Fluoride	L 0.05	2.0

## Methodology

Arsenic, Mercury, Selenium	Atomic Absorption - with Hydride System
Trace Metals	Atomic Absorption
Fluoride	SPADN .

L = less than

On site collection made by V. Oliveira - 12/7/84 at 11:00 A.M.

Vieto Clever



The Standard Plate Count indicated the general bacterial population of the well at the time of collection.

#### Coliform Group Bacteria:

#### Significance

The coliform group bacteria includes organisms found in the intestinal tracts of warm blooded animals, birds, decaying organ; matter (hay, leaves, wood, etc.), the top 2 to 3 feet of the soil, lakes, ponds, brooks, rivers, drainage and types of vegetation.

Because the organisms can cause some illness; because the presence of coliform organisms in the water suggests that other more harmful organisms may be present, water containing one or more coliform group bacteria per 100 ml of sample should not be used for drinking or cooking purposes unless boiled 5 minutes or disinfected by other means.

This bacteria is of animal origin (intestinal tract) and may be considered as closely associated with disease causing organisms. On this factor, none should be present.

Color - APC Units - Ground water ought to be practically free from color. For attractive water - color should not exceed 15 units.

Turbidity - NT Units - Recommended limit not to exceed 5 units.

Odor & Taste - For water to be of high quality, the water should be odor free and taste good.

pH — The pH value defines the concentration of free hydrogen ions in solution. Expressed on a scale extending from 0 or very acid to 14 or very alkaline with 7.0 being neutral.

Specific Conductance — Conductivity is a good criterion for measuring the degree of mineralization and assessing the affect of diverse ions on chemical equilibria.

Total Alkalinity - The alkalinity of this water represents its content of carbonates and bicarbonates.

Free Carbon Dioxide — Well water having a low pH and a Free CO, level in excess of 50. mg/l will be corrosive to iron, bronze, brass and copper tubing and fittings.

Total Hardness — Standard not to exceed 50, mg/l. Waters having a hardness level of 50 to 100 are in the medium hardness range, over 100 very hard.

Calcium — Calcium contributes to the total hardness of water. Appreciable amounts of calcium salts break down on heating and form scale in boilers, pipes and cooking utensils.

Magnesium — Magnesium is a common constituent of natural water. Magnesium and calcium ions are principal contributors to water hardness. Concentrations in excess of 125 mg/l can exert a cathartic and diuretic action.

Sodium - Recommended limit not to exceed 20 mg/l.

Potassium - Potassium concentrations in drinking water seldom exceed 20. mg/l.

Total Iron - Standard not to exceed 0.3 mg/l.

Manganese — Standard not to exceed 0.05 mg/l. The principal reason for limiting the concentration of manganese is to reduce esthetic and economic problems.

Silica — Silica content of natural water is most commonly in the 1 to 30 mg/l. Silica in water is undesirable because it forms difficult to remove silica scales.

Sulfates - Standard not to exceed 250 mg/l.

Chloride - Standard not to exceed 250 mg/l.

Nitrogen — Ammonia is present in variable concentrations in many surface and ground waters. Its occurrence in ground water is generally a result of natural reduction processes.

Nitrogen - Nitrite — Nitrite in water poses a health hazard, but fortunately seldom occurs in high concentrations. Waters with a nitrogen - nitrite concentration over 1 mg/l should not be used for infant feeding.

Nitrogen - Nitrate — Standard not to exceed 10. mg/l. Nitrate, in high concentrations can and do cause methemoglobinemia or so-called nitrate poisoning in infants. Water with 10 or more mg/l of nitrate is unsatisfactory and is not considered safe for drinking or cooking. It is especially dangerous to children and should never be used in infant formulas.

Copper - Standard not to exceed 1.0 mg/l.



FOOD - DAIRY PRODUCTS - WATER - WASTEWATER CHEMICAL & BACTERIOLOGICAL ANALYSES 697-2650

December 12, 1984

Avco Systems Division Ballistic Test Facility P.O. Box 900 Forest Dale, Mass. 02644

Subject: Well Water - Bored Well with well point

(Upper Well)

Located on the Avco Systems Division Site - Otis Air Force Base - Camp Edwards Bourne, Mass.

Coliform Count /100 ml @ 35 C Membrane Filter

-

S.P.C./ml @ 35 C

50

Color (APC units)	0	
Sediment	none :	
Turbidity (NTU)	0.42	
Odor	none	
Taste	metallic	
ρΗ	6.3	
Specific Conductance micromhos/cm	85.	

mg /liter

Total Alkalinity (CaCO <sub>3</sub> )	14.0			
Free CO,	13.6			
Total Hardness (CACO <sub>2</sub> )	22.0		 	
Calcium (Ca)	6.40			
Magnesium (Mg)	1.46			
Sodium (Na)	6.30			
Potassium (K)	0.48			
Total Iron (Fe)	0.80			
Manganese (Mn)	L 0.01			
Silica (SiO <sub>2</sub> )	9.00			
Sulfate (SO <sub>4</sub> )	15.0			
Chloride (CI)	15.0			 
Nitrogen - Ammonia	0.15	,		 
Nitrogen - Nitrite	0.008			
Nitrogen - Nitrate	0.94			 
Copper (Cu)	1.75			 

#### L = less than

On site collection made by V. Oliveira - 12/7/84 at 11:15 A.M.

Bacteriologically, this well water is of a satisfactory sanitary standard and is suitable for drinking and domestic purposes.

Chemically, this well water is high in iron content. The taste is affected by the high iron content. The high copper content is due to an acidic water attacking the copper tubing. This level is generally high in the first drawn water and then flushes out with usage. All other chemicals tested meet the standards.

irector



FOOD - DAIRY PRODUCTS - WATER - WASTEWATER CHEMICAL & BACTERIOLOGICAL ANALYSES 697-2660

December 12, 1984

Avco Systems Division Ballistic Test Facility P.O. Box 900 Forest Dale, Mass. 02644

Subject: Well Water - Bored Well with well point

(Upper Well)

Located on the Avco Systems Division Site - Otis Air Force Base - Camp Edwards Bourne, Mass.

Coliform Count /100 ml @ 35 C Membrane Filter

0

S.P.C./ml @ 35 C

50

Color (APC units)	0 ;	
Sediment	none	
Turbidity (NTU)	0.42	
Odor	none	
Taste	metallic	<u> </u>
рН	6.3	
Specific Conductance micromhos/cm	85.	

ma	/1	:.	

		Tie .		
Total Alkalinity (CaCO,)	14.0			
Free CO,	13.6			
Total Hardness (CACO <sub>2</sub> )	22.0			
Calcium (Ca)	6.40			
Magnesium (Mg)	1.46			
Sodium (Na)	6.30			
Potassium (K)	0.48		 	
Total Iron (Fe)	0.80			
Manganese (Mn)	L 0.01			
Silica (SiO <sub>2</sub> )	9.00			
Sulfate (SO <sub>4</sub> )	15.0			
Chloride (CI)	15.0	i		
Nitrogen - Ammonia	0.15		 	
Nitrogen - Nitrite	0.008			
Nitrogen - Nitrate	0.94	<del> </del>	 ,,	
Copper (Cu)	1.75		 	

#### L = less than

On site collection made by V. Oliveira - 12/7/84 at 11:15 A.M.

Bacteriologically, this well water is of a satisfactory sanitary standard and is suitable for drinking and domestic purposes.

Chemically, this well water is high in iron content. The taste is affected by the high iron content. The high copper content is due to an acidic water attacking the copper tubing. This level is generally high in the first drawn water and then flushes out with usage. All other chemicals tested meet the standards.

irector

Jonathan Bourne Public Liberry
19 Sandwich Rd.
Bourne, MA 02532

FOOD - DAIRY PRODUCTS - WATER - WASTEWATER
CHEMICAL & BACTERIOLOGICAL ANALYSES
697-2650

December 19, 1984

Avco Systems Division Ballistic Test Facility P.O. Box 900 Forest Dale, Mass. 02644

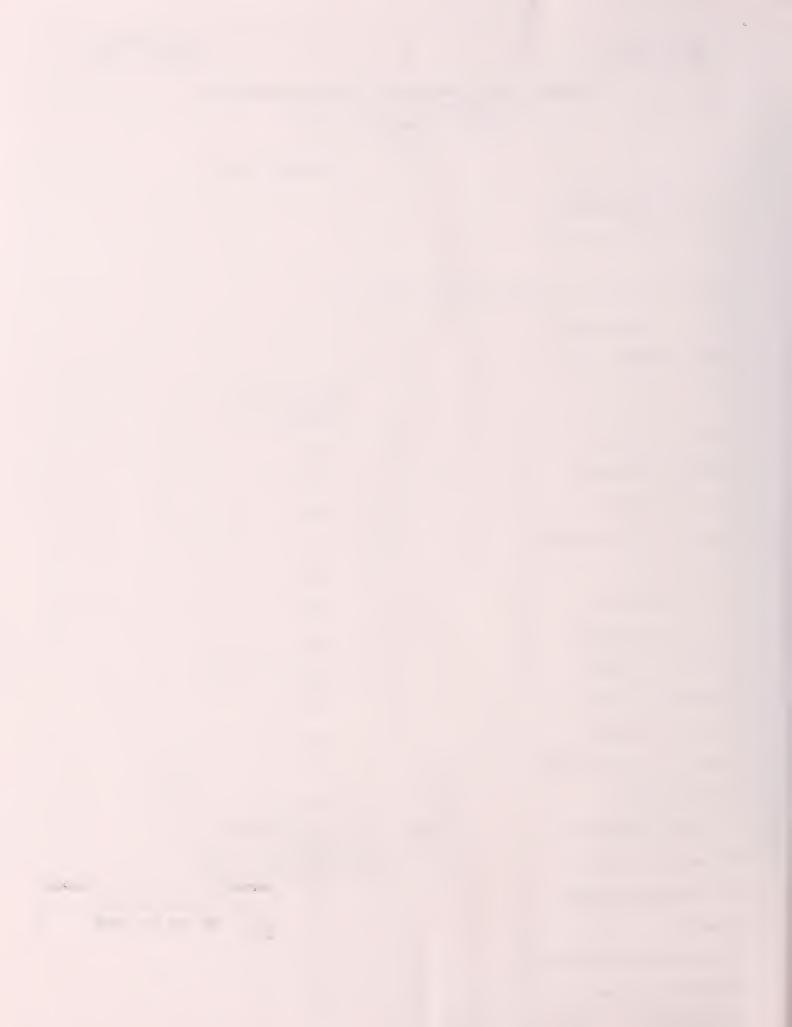
Subject: Well Water - Bored Well with well point

(Upper Well)

Analysis Number 3922

Chlorobenzene

	parts per billion (ppb)
Methylene chloride	nd
1,1-Dichloroethylene	nd
1,1-Dichloroethane .	nd
trans-1,2-Dichloroethylene	nd .
Chloroform	nd
1,2-Dichloroethane	nd
1,1,1-Trichloroethane	nd
Carbontetrachloride	nd
Bromodichloromethane	nd
1,2-Dichloropropane	nd
trans-1,3-Dichloropropene	nd
Trichloroethylene	${f nd}$
1,1,2-Trichloroethane	nd
Dibromochloromethane	nd Public Library
cis-1,3-Dichloropropene	nd 19 Sandwich Rd.
Bromoform	nd peurne, MA 02532
1,1,2,2-Tetrachloroethane	nd
Tetrachloroethylene	nd



FOOD - DAIRY PRODUCTS - WATER - WASTEWATER
CHEMICAL & BACTERIOLOGICAL ANALYSES
697-2650

2.

Results expressed in micrograms per liter (parts per billion - ug/l). ND=None Detected.

The limit of detection for this procedure is approximately .5 micrograms per liter. If your sample result is ND, it means there was none detected above .5 micrograms per liter.

Samples analyzed according to the EPA purgeable organic procedure utilizing a purge and trap LC-2 instrument with a Tracor 560 gas chromatograph.

On site collection made by V. Oliveira - 12/7/84 at 11:00 A.M.

Director



FOOD - DAIRY PRODUCTS - WATER - WASTEWATER
CHEMICAL & BACTERIOLOGICAL ANALYSES
697-2650

December 12, 1984

Avco Systems Division Ballistic Test Facility P.O. Box 900 Forest Dale, Mass. 02644

Subject: Well Water - Bored Well with well point

(Upper Well)

Located on the Avco Systems Site - Otis Air Force Base - Camp Edwards - Bourne, Mass.

	mg/1.	Maximum Contaminant Level mg/1.
Arsenic	L 0.002	0.05
Barium	L 0.01	1.00
Cadmium	L 0.001	0.010
Total Chromium	L 0.01	0.05
Lead	L 0.01	0.05
Hercury	L 0.0005	0.002
Selenium	L 0.002	0.01
Silver	L 0.002	0.05
Fluoride	L 0.05	2.0

#### Methodology

Arsenic, Mercury, Selenium

Atomic Absorption - with Hydride System

Atomic Absorption

Fluoride

SPADN

L = less than

On site collection made by V. Oliveira - 12/7/84 at 11:00 A.M.

July Kineine Director

Jonathan Sourne Public Library
19 Sandwich Rd.

### **Textron Systems Corporation**

Exhibits Submittal of Request for Information Pursuant to Section 104 of CERCLA for Massachusetts Military Reservation (MMR)

25 February, 2000

Textron is asserting confidentiality claim pursuant to Sections 104(e)(7)(E) and (F) of CERCLA, 42 U.S.C. §§ 9604(e)(7)(E) and (F) for the entire package enclosed.

Removal of Fuel Oil Tanks at J3 Range (with soil analytical data)

Jonethan Bourne Public Library
19 Sandwich Rd.
Bourne, MA 02582



June 20,1991

To: J. J. Tanin

From: R. W. Maccabe, Jr.

Subject: Removal of Fuel Oil Tanks at J3 Range

Copy to : J. Pinciaro, File

## COMPANY PRIVATE

## TEXTRON PRIVATE

On June 19,1991 Northeast Tank Services removed three buried fuel oil tanks at the Textron Cape Operations J3 Range, Camp Edwards, MA. Two local contractors were brought in to perform the excavation and hauling of earth due to the failure of NET's contractor to show up. Underground Utilities of Forestdale MA performed the excavation work and was on the site all day.

CONFIDENTIAL

Tank removals went fairly smoothly, after the initial delay (of obtaining local excavator). At Bldg. J3-7 a 500 gal. steel tank was removed. There was no noticeable fuel oil odor nor any signs of tank leakage and gross spillage. All HNU tests showed only minor 0 to 3 readings (10 is limiting for reuse of existing material for backfilling). On-site material was taken for backfill.

At Bldg. J3-6 a 1,000gal. fibreglass Owens Corning tank was removed. Our plans showed a 500 gal. tank at this site. The removal went smoothly here as well. "Sniffer" readings again were well below the limiting 10 reading.

At Bldg. J3-3 a 1,000 gal. steel tank was removed without any traces of leakage and with "sniffer" readings below the limiting 10 level.

The tanks were hauled away on flat-bed by Grant Construction and taken to Grant's Readville, MA site. Liquid tank rinse, which consisted of water only, was hauled away by A&G Oil a division of Hitchcock Gas Engine Co., Wyoming, RI. I signed the manifest and Northeast took both the Mass. and Conn. copies to mail to the appropriate agencies. Hitchcock's repository site is in Bridgeport Conn.

Site restoration and backfilling operations are scheduled to be completed today, 6/20/91. NET was on site for 10 hours for the removal work on 6/19/91.

K. W. Maccabe, Jr.



Division of HITCHCOCK GAS ENGINE CO. 47 STILSON ROAD R 7418 DATE 6 19 EVISA PICK-UP FROM: TEAN OFF OFF MANIFEST # COT F 600 99-703 400 WASTE # WASTE NAME OF THE WAST GALS REMIT TO: Hitchcock Gas Engine Co., 50 Cross St., Bridgeport, CT 06610



The second section of the first term of the second section section section section section section section sec



#### STATE OF CONNECTICUT DEPARTMENT OF ENVIRONMENTAL PROTECTION

Hazardous Waste MANIFEST PROGRAM, State Office Building Hartford, CT 06106

FOR STATE USE ONLY

1	nerator's US EPA ID No.	Manilest	2. Page	1 Informati	on in the	shaded areas is i
UNIFORM HAZARDOUS 1. Get WASTE MANIFEST 1. Get 1. G		Document No.	of \$	reourred	by Fede by State la	rai law, bul may, w
O				Manifest Doo		
3. Generator's Name and Maning Address			CT	∵ <b>F</b> 0(	099	703
			B. G.S.	l. (Gen. Site A	ddress)	
4. Generator's Phone ( : )	•		San	8		
5. Transporter 1 Company Name	6. US EP	A ID Number			• •	State of the state of
Mitchcock Gas Engine Co.	1 220.0025	93327				on the state of
7. Transporter 2 Company Name		A ID Number				1 11-9 1
7. Transporter & Company	1					-0080
Designated Facility Name and Site Address	10. US EF	A ID Number		. (Trans. Lic. F		
Mitchcock Gas Engine Co.				. Phone (	)	
1 Seaview Avanue				Facility's ID	(Not Rea	mired)
Bridgeport, CT 05607	CTD 9812	03389		ity's Phone		
		12 Con		13.	1 14.	
11. US DOT Description (Including Proper Shipping Nai	me, Hazard Class, and ID Num	ber)		Total Quantity	Unit Wt/Vol	Waste No.
		No	Туре	Coanny	10017001	EPA
a.						
Masto Oil, n.o.s., Combustibl	o timid. 33 12	79 091	State		G	STATE 01
				<u> </u>	1	EPA
b.	•				1	
						STATE
		•	•	<u>· · · · ·                              </u>	-	EPA
C.						3. 2.4
						STATE
				• • • •		EPA
d.	•					
•						STATE
						I .
Additional Descriptions for Materials Listed Above	1		K. Hand	ling Codes for	Wastes	Listed Above
J. Additional Descriptions for Materials Listed Above	tare with a line		Interir	ling Codes for	1 ir	terim ! EFina
			Interir	n Final	Ir	terim   Fina
J. Additional Descriptions for Materials Listed Above	c non-RCRA-ha		Interir	n - Final	Ir	terim   Fina
CT Regulated Wastn		zardous	Interir	n Final	Ir	terim   Fina
CT Regulated Wastn	d. Edward of Manager D	zardous	Interir	n Final	Ir	terim   Fina
Translated Waste	d. PROSENTAC STREET.	zardous	b.	n of spir Final	c c	terim   Fina
CT Regulated Wastn  Saste Potroleum Oil  Special Handling Instructions and Additional Inform  Hour Emergency Contact	d. PROSENTAC STREET.	zardous	b.	n of spir Final	c c	terim   Fina
Translated Waste	d. PROSENTAC STREET.	zardous	b.	n of spir Final	C   C   C   C   C   C   C   C   C   C	iterim   SFrna SPT me SPT SPD
CT Regulated Wastn  Bazte Petroleum Oll  15. Special Handling Instructions and Additional Inform 24 Hour Emergency Contact is ENGS 27 - Attached  16. GENERATOR'S CERTIFICATION: I hereby declare	d. gaugaem ac attention	Point of Depart	b.	Cart.	d.	eterim   SFina STI - STI STI - STI STI - STI I
CT Regulated Wastn  Baste Petroleum Oll  15. Special Handling Instructions and Additional Inform 24 Ronz Emergency Contact in 226 27 - Attached  16. GENERATOR'S CERTIFICATION: I hereby declare proper shipping name and are classified, packed, m	d. PRUZAEM RC STREET.	Point of Depart	b.  Lail  ure: curately dondition f	Cart. #	d.	eterim   EFina
CT Regulated Sasta  Saste Petroleum Oll  15. Special Handling Instructions and Additional Inform 24 Hour Emergency Contact is ERG\$ 27 - Attached  16. GENERATOR'S CERTIFICATION: I hereby declare proper shipping name and are classified, packed, m according to applicable international and national g	d. PRINCE A PORTING A PRINCE AND ADDRESS OF THE CONTROL OF THE CON	Point of Depart	b.  tail  ure: curately dondition fand regula	Cart. I	d.	eterim   SFina
Tregulated Sasta  Saste Petroleua Oil  15. Special Handling Instructions and Additional Inform 24 Hour Emergency Contact is EEGS 27 - Attached  16. GENERATOR'S CERTIFICATION: I hereby declare proper shipping name and are classified, packed, m according to applicable international and national g If I am a large quantity generator, I certify that I have a economically practicable and that I have selected the	that the contents of this consignarked, and labeled, and are in overnment regulations, and all a program in place to reduce the practicable method of treatmer	Point of Departing and a capplicable State laws	b.  ure: curately of ondition drawlare generately assets generately generately assets generately assets generately genera	cort. #	d.	y ve determined to be nimizes the preset
Tregulated Sasta  Saste Petroleua Oil  15. Special Handling Instructions and Additional Inform 24 Hour Emergency Contact is EEGS 27 - Attached  16. GENERATOR'S CERTIFICATION: I hereby declare proper shipping name and are classified, packed, m according to applicable international and national g If I am a large quantity generator, I certify that I have a economically practicable and that I have selected the and future threat to human health and the environment	d. PRUZAENI RO RETIRED.  Ination  Intion  Inti	Point of Department are July and adall respects in proper of applicable State laws volume and toxicity of it, storage, or disposal denerator, I have made a	b.  ure: curately of ondition drawlare generately assets generately generately assets generately assets generately genera	cort. #	d.	y ve determined to be nimizes the preset
TREGULATED SASTO  SASTE POTTOLEUM OLL  15. Special Handling Instructions and Additional Inform 24 Hour Emergency Contact of EMERATOR'S CERTIFICATION: I hereby declare proper shipping name and are classified, packed, in according to applicable international and national gift am a large quantity generator. I certify that I have a economically practicable and that I have selected the and future threat to human health and the environment select the best waste management method that is as Printed/Typed Name	that the contents of this consiguration arked, and labeled, and are in overnment regulations, and all a program in place to reduce the practicable method of treatment; OR, if I am a small quantity vailable to me and that I can all signature	Point of Department are July and adall respects in proper of applicable State laws volume and toxicity of it, storage, or disposal denerator, I have made a	b.  ure: curately of ondition drawlare generately assets generately generately assets generately assets generately genera	cort. #	d.	y ve determined to be nimizes the preservante generation an
TREGULATED SASTO  SASTE POTTOLEUM OLL  15. Special Handling Instructions and Additional Inform 24 Hour Emergency Contact of EMERATOR'S CERTIFICATION: I hereby declare proper shipping name and are classified, packed, in according to applicable international and national gift am a large quantity generator. I certify that I have a economically practicable and that I have selected the and future threat to human health and the environment select the best waste management method that is as Printed/Typed Name	that the contents of this consiguration arked, and labeled, and are in overnment regulations, and all a program in place to reduce the practicable method of treatment; OR, if I am a small quantity vailable to me and that I can all signature	Point of Department are July and adall respects in proper of applicable State laws volume and toxicity of it, storage, or disposal denerator, I have made a	b.  ure: curately dondition frand regular waste generally argood faith	Described above or transport by tions. erated to the devailable to me effort to minim	d.	y ve determined to be nimizes the preservante generation an
TREGULATED SASTO  Anate Potroleum Oll  15. Special Handling Instructions and Additional Inform 24. Rour Emergency Contact: 2263 27 - Attached  16. GENERATOR'S CERTIFICATION: I hereby declare proper shipping name and are classified, packed, m according to applicable international and national g  If I am a large quantity generator, I certify that I have a economically practicable and that I have selected the and future threat to human health and the environment select the best waste management method that is an Printed/Typed Name	that the contents of this considered and labeled, and are in overnment regulations, and all a program in place to reduce the practicable method of treatment; OR, if I am a small quantity gvailable to me and that I can all Signature	Point of Department are fully and adall respects in proper capplicable State laws evolume and toxicity of it, storage, or disposal denerator, I have made a lord.	b.  ure: curately dondition frand regular waste generally argood faith	Described above or transport by tions. erated to the devailable to me effort to minim	d.	y ve determined to be nimizes the preservante generation an
Regulated Sasta  3aste Potroleua O11  15. Special Handling Instructions and Additional Inform 24 Hour Emergency Contact is ERGS 27 - Attached  16. GENERATOR'S CERTIFICATION: I hereby declare proper shipping name and are classified, packed, m according to applicable international and national g If I am a large quantity generator, I certify that I have a economically practicable and that I have selected the and future threat to human health and the environmer select the best waste management method that is an Printed/Typed Name	that the contents of this consideration arked, and labeled, and are in overnment regulations, and all a program in place to reduce the practicable method of treatment; OR, iff am a small quantity givallable to me and that I can all signature.	Point of Department are fully and adall respects in proper capplicable State laws evolume and toxicity of it, storage, or disposal denerator, I have made a lord.	b.  ure: curately dondition frand regular waste generally argood faith	Described above or transport by tions. erated to the devailable to me effort to minim	d.	y  ve determined to be improved aste generation are month. Day
TREGULATED SASTO  Saste Potroleua O11  15. Special Handling Instructions and Additional Information 24 Ronz Exergency Contact in E2G\$ 27 - Attached  16. GENERATOR'S CERTIFICATION: I hereby declare proper shipping name and are classified, packed, maccording to applicable international and national gift am a large quantity generator. I certify that I have a economically practicable and that I have selected the and future threat to human health and the environment select the best waste management method that is an Printed/Typed Name  17. Transporter 1 Acknowledgement of Receipt of Material	that the contents of this considered, and labeled, and are in overnment regulations, and all a program in place to reduce the practicable method of treatment; OR, if I am a small quantity givailable to me and that I can at Signature als	Point of Department are fully and adall respects in proper capplicable State laws evolume and toxicity of it, storage, or disposal denerator, I have made a lord.	b.  ure: curately dondition frand regular waste generally argood faith	Described above or transport by tions. erated to the devailable to me effort to minim	d.	y  ve determined to be aste generation an Month Day Y  Month Day Y
Regulated Sasta  15. Special Handling Instructions and Additional Inform 24 Rour Emergency Contact ( 2263 27 - Attached  16. GENERATOR'S CERTIFICATION: I hereby declare proper shipping name and are classified, packed, m according to applicable international and national g if I am a large quantity generator, I certify that I have a economically practicable and that I have selected the and future threat to human health and the environmer select the best waste management method that is as Printed/Typed Name  17. Transporter 1 Acknowledgement of Receipt of Materi Printed/Typed Name	that the contents of this considered, and labeled, and are in overnment regulations, and all a program in place to reduce the practicable method of treatment; OR, if I am a small quantity givallable to me and that I can at Signature	Point of Department are fully and adall respects in proper capplicable State laws evolume and toxicity of it, storage, or disposal denerator, I have made a lord.	b.  ure: curately dondition frand regular waste generally argood faith	Described above or transport by tions. erated to the devailable to me effort to minim	d.	y  ve determined to be aste generation an   Month Day Y
Regulated Sasta  15. Special Handling Instructions and Additional Inform 24 Rour Emergency Contact ( 2263 27 - Attached  16. GENERATOR'S CERTIFICATION: I hereby declare proper shipping name and are classified, packed, m according to applicable international and national g if I am a large quantity generator, I certify that I have a economically practicable and that I have selected the and future threat to human health and the environmer select the best waste management method that is as Printed/Typed Name  17. Transporter 1 Acknowledgement of Receipt of Materi Printed/Typed Name	that the contents of this considered, and labeled, and are in overnment regulations, and all a program in place to reduce the practicable method of treatment; OR, if I am a small quantity givallable to me and that I can at Signature	Point of Department are fully and adall respects in proper of applicable State laws of volume and toxicity of it, storage, or disposal denerator, I have made a lord.	b.  ure: curately dondition frand regular waste generally argood faith	Described above or transport by tions. erated to the devailable to me effort to minim	d.	y  ve determined to be nimizes the preservance aste generation and  Month Day Y  Month Day Y
Transporter 2 Acknowledgement of Receipt of Materi	that the contents of this consideration arked, and labeled, and are in overnment regulations, and all a program in place to reduce the practicable method of treatment; OR, if I am a small quantity givallable to me and that I can all signature.  Signature  Signature	Point of Department are fully and adall respects in proper of applicable State laws of volume and toxicity of it, storage, or disposal denerator, I have made a lord.	b.  ure: curately dondition frand regular waste generally argood faith	Described above or transport by tions. erated to the devailable to me effort to minim	d.	y  ve determined to be nimizes the preservance aste generation an  Month Day Y  Month Day Y
Regulated Sasta  15. Special Handling Instructions and Additional Inform 24 Rour Emergency Contact ( 2263 27 - Attached  16. GENERATOR'S CERTIFICATION: I hereby declare proper shipping name and are classified, packed, m according to applicable international and national g if I am a large quantity generator, I certify that I have a economically practicable and that I have selected the and future threat to human health and the environmer select the best waste management method that is as Printed/Typed Name  17. Transporter 1 Acknowledgement of Receipt of Materi Printed/Typed Name	that the contents of this consideration arked, and labeled, and are in overnment regulations, and all a program in place to reduce the practicable method of treatment; OR, if I am a small quantity givallable to me and that I can all signature.  Signature  Signature	Point of Department are fully and adall respects in proper of applicable State laws of the storage, or disposal of enerator, I have made a ford.	b.  ure: curately dondition frand regular waste generally argood faith	Described above or transport by tions. erated to the devailable to me effort to minim	d.	y  ve determined to be named t
Transporter 2 Acknowledgement of Receipt of Materi Printed/Typed Name  Table Patroleum O11  Transporter 2 Acknowledgement of Receipt of Materi Printed/Typed Name	d. PRIZABLE AC STIME.  Ination  Intal the contents of this consignarked, and labeled, and are in overnment regulations, and all a program in place to reduce the practicable method of treatment; OR, if I am a small quantity gvailable to me and that I can at Signature  als  Signature  als  Signature	Point of Department are fully and adall respects in proper of applicable State laws of the storage, or disposal of enerator, I have made a ford.	b.  ure: curately dondition frand regular waste generally argood faith	Described above or transport by tions. erated to the devailable to me effort to minim	d.	y  ve determined to be nimizes the preservance aste generation an  Month Day Y  Month Day Y
Transporter 2 Acknowledgement of Receipt of Materi Printed/Typed Name  28 Regulated Sasta  15. Special Handling Instructions and Additional Inform 24 Ronr Emergency Contact 25 27 -Attached  16. GENERATOR'S CERTIFICATION: I hereby declare proper shipping name and are classified, packed, m according to applicable international and national g  If I am a large quantity generator, I certify that I have a economically practicable and that I have selected the and future threat to human health and the environmer select the best waste management method that is an Printed/Typed Name  17. Transporter 1 Acknowledgement of Receipt of Materi Printed/Typed Name	d. PRIZABLE AC STIME.  Ination  Intal the contents of this consignarked, and labeled, and are in overnment regulations, and all a program in place to reduce the practicable method of treatment; OR, if I am a small quantity gvailable to me and that I can at Signature  als  Signature  als  Signature	Point of Department are fully and adall respects in proper of applicable State laws of the storage, or disposal of enerator, I have made a ford.	b.  ure: curately dondition frand regular waste generally argood faith	Described above or transport by tions. erated to the devailable to me effort to minim	d.	y  ve determined to be named t
Regulated Sasta  15. Special Handling Instructions and Additional Inform 24 Hour Exercency Contact ERGS 27 - Attached  16. GENERATOR'S CERTIFICATION: I hereby declare proper shipping name and are classified, packed, m according to applicable international and national g  If I am a large quantity generator, I certify that I have a economically practicable and that I have selected the and future threat to human health and the environment select the best waste management method that is an Printed/Typed Name  17. Transporter 1 Acknowledgement of Receipt of Materi Printed/Typed Name  18. Transporter 2 Acknowledgement of Receipt of Materi Printed/Typed Name	d. PRIZABLE AC STIME.  Ination  Intal the contents of this consignarked, and labeled, and are in overnment regulations, and all a program in place to reduce the practicable method of treatment; OR, if I am a small quantity gvailable to me and that I can at Signature  als  Signature  als  Signature	Point of Department are fully and adall respects in proper of applicable State laws of the storage, or disposal of enerator, I have made a ford.	b.  ure: curately dondition frand regular waste generally argood faith	Described above or transport by tions. erated to the devailable to me effort to minim	d.	y  ve determined to be named t
Transporter 2 Acknowledgement of Receipt of Materi Printed/Typed Name  28 Regulated Sasta  16. Generator's Certification: I hereby declare proper shipping name and are classified, packed, m according to applicable international and national giff am a large quantity generator. I certify that I have selected the and future threat to human health and the environment select the best waste management method that is an international method that is an international method. The printed/Typed Name  17. Transporter 2 Acknowledgement of Receipt of Materian Printed/Typed Name  18. Transporter 2 Acknowledgement of Receipt of Materian Printed/Typed Name	that the contents of this consideration and tabeled, and are in overnment regulations, and all a program in place to reduce the practicable method of treatment; OR, iff am a small quantity givallable to me and that I can all signature.  Signature  als  Signature	Point of Department are fully and adall respects in proper of applicable State laws evolume and toxicity of enerator, I have made a lord.	b.  Lail  ure: courately dondition frand regula waste general yargood faith	Cart. 8  Described above or transport by tions.  Berated to the devailable to me reffort to minim	d.	y  ve determined to be named t



#### CERTIFIED ENGINEERING AND TESTING COMPANY, INC.

25 Mathewson Drive Weymouth, MA 02189 (617) 337-7887

Client: NORTHEAST TANK SERVICES

Client Number: LINLIN

Address:

349 LINCOLN STREET, BLDG. 48

HINGHAM, MA 02043

Project Number:

Client Contact: ROB DOUGLAS

Date Received: 6/26/91

Date Reported: 7/09/91

Client Job Number:

Sample Series:

91-06-103

Certified	Sample	Number	Client	Identification	Sample	Location
91-06-103	.01		J-3-3		J-3-3	

91-06-103.02

J - 3 - 6

J - 3 - 6

91-06-103.03

J - 3 - 7

J - 3 - 7

ethor

CONFIDENTIAL

COMPANY PRIVATE

TEXTRON PRIVATE

so the best of my knowledge the information contained in this report is a true ind accurate statement.

inthorized By:

Spilkowski, Laboratory Manager



#### CERTIFIED ENGINEERING AND TESTING COMPANY, INC.

Client: NORTHEAST TANK SERVICES

Project No:

Sample Series: 91-06-103

Sample: 91-06-103.01 Matrix: SOIL Date Sampled: 6/19/91

Sample Location: J-3-3

Sample Description: ONE LITER GLASS CONTAINER OF SOIL

Chemical Analysis

Result

Limit
Analyzed
Method

TOTAL PETROLEUM HYDROCARBONS (MG/KG) BMDL

Analyst: LEHMAN, TRACIE

Sample: 91-06-103.02 Matrix: SOIL Date Sampled: 6/19/91

Sample Location: J-3-6

Sample Description: ONE LITER GLASS CONTAINER OF SOIL

Chemical Analysis

Result

Limit

Analyzed

Method

TOTAL PETROLEUM HYDROCARBONS (MG/KG) BMDL

Analyst: LEHMAN, TRACIE

Sample: 91-06-103.03 Matrix: SOIL Date Sampled: 6/19/91

Sample Location: J-3-7

Sample Description: ONE LITER GLASS CONTAINER OF SOIL

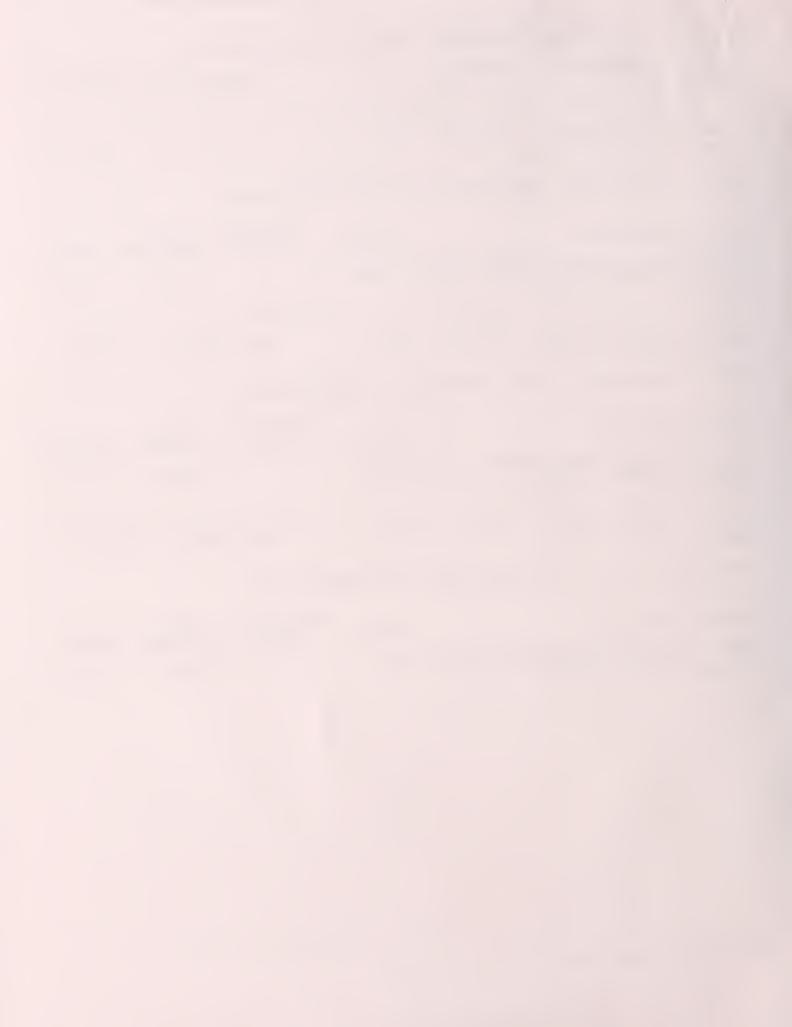
Chemical Analysis

Result

Detection Date
Analyzed Method

TOTAL PETROLEUM HYDROCARBONS (MG/KG) BMDL
Analyst: LEHMAN, TRACIE

Detection Date
Analyzed Method



SPECIAL HISTRUCTIONS:    RUSH	Separation   Sumple Type Confidence   Conf	SERVICE (10:15)	SAMPLE 1001 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
SPECTAL DISTRUCT  TRUSH	097E: 7.11E: 7.0	HED   DRTE: HED BY: ORTE: HED BY: ORTE: 11HE:	70m-10011
	11,000,1	-3.6	5 12
	SOUPE THE. THE STANDER	SAMPLE BAMPLE GENTIFICATION TYPE G	SAMPLE
	18 1 18 18 18 18 18 18 18 18 18 18 18 18	14 in gham MA 020 14 in gham MA 020 16 1 100 - 4090 Fr	ρου 1.0. 1.0.
		יריטטזיו. המזיצאריוטבדיזי	ก์ :

> 20202 >

# CERTIFIED ENGINEERING AND TESTING COMPANY, INC. 25 Mathewson Drive Weymouth, MA 02189 (617) 337-7887

#### REFERENCES

- 2 "Standard Methods for the Examination of Water and Wastewater, Sixteenth Edition," American Public Health Association, Washington, D.C., 1985.
- Methods for Chemical Analysis of Water and Wastes, DU.S. EFA, Cincinnati, OH, March, 1983.
- "NIOSH Manual of Analytical Methods, Third Edition," U.S. Department of Health and Kuman Services, Cincinnati, OH, February, 1984.
- 40 CFR Part 136, July 1, 1987.
- 6 "Annual Book of ASTM Standards," Vol. 11.02, 1989.
- "Methods for the Determination of Organic Compounds in Finished Drinking Water and Raw Source Water," USEPA/EMSL, Cincinnati, CH.
- B. "Test Methods for Nonconventional Pesticides Chemicals Analysis of Industrial and Municipal Wastewater," U.S. EPA, Cincinnati, OH, January, 1983.
- "Measurement of Furgeable Organic Compounds in Drinking Water by Gas
  Chromatography/Mass Spectrometry," Method 524, USEPA/EMSL, Cincinnati,
  OH.
- "Quantitation in Elemental Analysis," H. Kaiser, Analytical Chemistry,
  Volume 42, Number 2, February, 1970, Pages 24A-32A.
- "Handbook for Analytical Quality Control in Water and Wastewater Laboratories," EPA-600/4-79-019, USEPA/EMSL, Cincinnati, OH, March, 1979.
- "Guidelines for Data Acquisition and Data Quality Evaluation in Environmental Chemistry," Analytical Chemistry, Volume 52, Number 14, December, 1980, Pages 2242-2294.

19 Sandwich Rd. Bourns, MA 02532

### **Textron Systems Corporation**

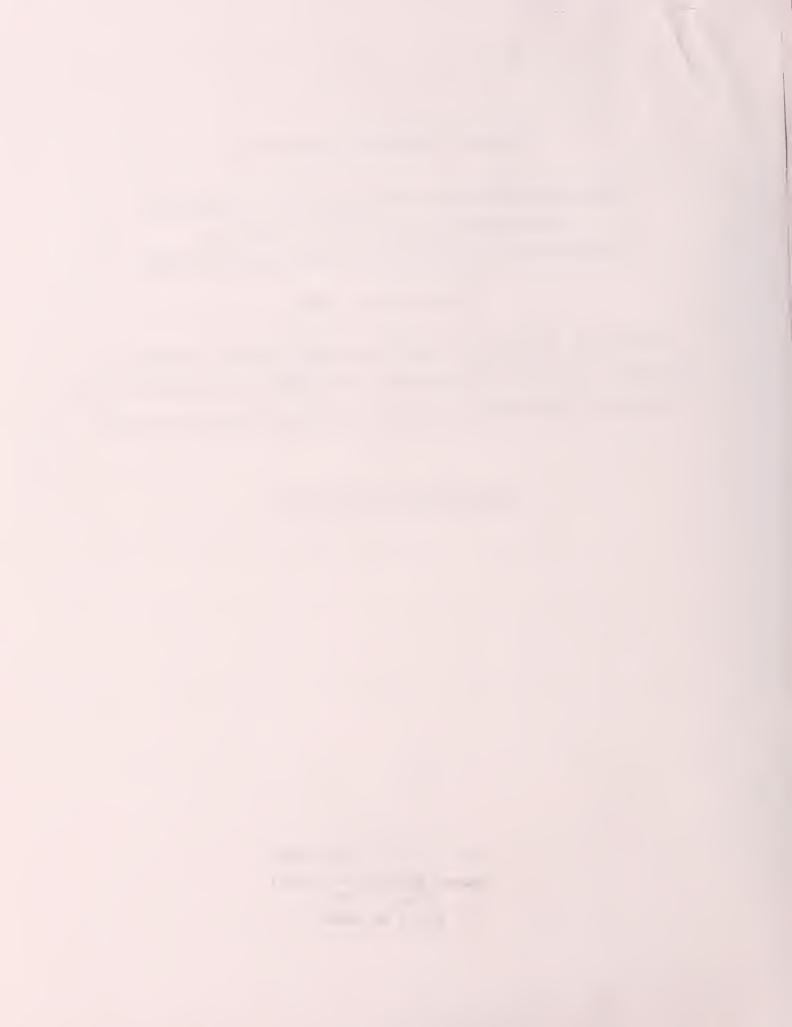
Exhibits Submittal of Request for Information Pursuant to Section 104 of CERCLA for Massachusetts Military Reservation (MMR)

25 February, 2000

Textron is asserting confidentiality claim pursuant to Sections 104(e)(7)(E) and (F) of CERCLA, 42 U.S.C. §§ 9604(e)(7)(E) and (F) for the entire package enclosed.

Soil & Paint Chips for Pb

Jonathan Bourne Public Library
19 Sandwich Rd.
Bourna, MA 02532



#### ANALYTICAL REPORT

Report To:

Textron Defense Systems

201 Lowell Street Wilmington, MA 01887

Project: Soil & Paint Chips for Pb

## COMPANY PRIVATE

09/11/1992

CONFIDENTIAL

NET Job Number: 92.32670

National Environmental Testing

NET Atlantic, Inc. Cambridge Division 12 Oak Park Bedford, MA 01730

## TEXTRON PRIVATE





#### NET Cambridge Division

#### ANALYTICAL REPORT

Report To:

Reported By:

Textron Defense Systems 201 Lowell Street Wilmington, MA 01887 National Environmental Testing NET Atlantic, Incorporated Cambridge Division 12 Oak Park

Bedford, MA 01730

Report Date: 09/11/1992

NET Job Number: 92.32670

Project: Soil & Paint Chips for Pb

NET Client No: 76633

P.O. No: 417165

Collected By: client

Shipped Via: client

Job Description: Soil & Paint Chips for Pb

Airbill No:

This report has been approved and certified for release by the following staff. Please feel free to call the NET Project Manager at 617-275-3535 with any questions or comments.

Alison P. Darrow NET Project Manager Michael F. Delaney, Ph.D. Laboratory Director

Analytical data for the following samples are included in this data report.

SAMPLE	NET	DATE	TIME	DATE	
10	10	TAKEN	TAKEN	REC'D	MATRIX
•••••	• • • • • • • • • • • • • • • • • • • •				
Cape soil sample [J-3]	65793	08/26/1992	07:30	08/26/1992	SOIL
Cape paint sample [J-3]	65794	08/26/1992	07:30	08/26/1992	SOIL





## NET Cambridge Division ANALYTICAL REPORT

Report Date: 09/11/1992

Report To: Textron Defense Systems

NET Job No: 92.32670

Project: Spil & Paint Chips for Pb

Date Rec'd: 08/26/1992

Sample ID: Cape soil sample [J-3]

NET Sample No: 65793

Parameter ""		Result	Units	Analyst
Non-Aqueous Diges	stion SU846 S	09/03/1992	date	p⊌h
Lead (Pb)	846 ICP S	32	mg/Kg	cine





#### ANALYTICAL REPORT

Report Date: 09/11/1992

Report To: Textron Defense Systems

NET Job No: 92.32670

Project: Soil & Paint Chips for Pb

Date Rec'd: 08/26/1992

Sample ID: Cape paint sample [J-3]

NET Sample No: 65794

Parameter	••		Result	Units	Analyst
Non-Aqueous Digestic		\$ :	09/03/1992 96000	date mg/Kg	puh csse



42.526+

# OF CUSTODY RECORD

	謎	
		115
9		
· (C		

Cambridge Division, 12 Oak Park, Bedford, MA 01730 ONAL IRONMENTAL TING, INC.

e, 5		Em					多文	021	[Pin]
	Dat	150			-		7:30		Print Name)
	Date / Time	8/24 /35					CARS	9	Anno
	" .	359				·	() - () - () - () - () - () - () - () -		
Romarks:	Received by:	Received by:					KANT	OCATION	
Σ Σ	by:	Dy:		,					Signature
) DE () OA		Oli						A/D 37	K
2070		N						GRAB COMP NO	
6	Relinqu	Relinqu						CONTAINERS ASS AND AND AND AND AND AND AND AND AND AND	
0	Relinquished by:	Relinquished by:						PARSE	
			•					VATIVE	
0		D						Extractable Organ	c, we
	Date / Time	Date / Time						Age Jajs	
								Cranice Prenois	
<u> </u>	Receive	Received by:						Carl I	ANG
ار ار ار	Received for Laboratory by:	d by:						A. Line	ANALYSES
	alory by:							COMMENIA	
								15	

PT 1 - ORIGINAL PT 2 NET Project Manager-Yellow

PT 3—Customer Copy—Pink

Jonethan Bourne Public Library
19 Sandwich Rd.
Bourne, MA 02532

#### **Textron Systems Corporation**

Exhibits Submittal of Request for Information Pursuant to Section 104 of CERCLA for Massachusetts Military Reservation (MMR)

25 February, 2000

Textron is asserting confidentiality claim pursuant to Sections 104(e)(7)(E) and (F) of CERCLA, 42 U.S.C. §§ 9604(e)(7)(E) and (F) for the entire package enclosed.

Cape Cod Textron Operations (28 April 1999)



#### CONFIDENTIAL

#### **TEXTRON** Systems

Carl G. Buzawa General Counsel

Textron Systems
A Textron Company

201 Lowell Street Wilmington, MA 01887-2941

FAX: (978) 657-6913

## TEXTRON PRIVATE

28 April 1999

William Walsh-Rogalski, Esq. EPA New England 1 Congress Street Suite 1100 (M/S RAA) Boston, MA 02114-2023

COMPANY PRIVATE

Re: Cape Cod Textron Operations

Dear Bill:

As we discussed on Monday, Textron Systems Corporation has recently received information concerning the historic disposal of waste water from a tank (long since removed) formerly associated with the melt pour facility located on the J-3 Range. Based on current information, a limited amount of filtered waste water may have been disposed of on site and in the adjacent J-1 Range, during the time period of the mid 1980's at J-3. Additionally, we have learned of a similar incident at the J-3 Range some time between 1989-1991 on the J-1 Range.

I am actively investigating the circumstances surrounding this matter and as I discussed with you will cooperate fully with the EPA to keep your agency informed as information becomes available.

Very truly yours,

Cord & Brynn

Carl G. Buzawa

Cc: Jane Dolan

### **Textron Systems Corporation**

Exhibits Submittal of Request for Information Pursuant to Section 104 of CERCLA for Massachusetts Military Reservation (MMR)

25 February, 2000

Textron is asserting confidentiality claim pursuant to Sections 104(e)(7)(E) and (F) of CERCLA, 42 U.S.C. §§ 9604(e)(7)(E) and (F) for the entire package enclosed.

Cape Cod Textron Operations (25 May 1999)

Jonathan Bourne Public Library
19 Sandwich Rd.
Bourne, MA 02532



#### TEXTRON Systems

Carl G. Buzawa Vice President Contract Management and General Counsel

201 Lowell Street Wilmington, MA 01887-2941

FAX: (978) 657-6913

Textron Systems
A Textron Company

COMPANY PRIVATE
TEXTRON PRIVATE

25 May 1999

William Walsh-Rogalski, Esq. EPA Region I
1 Congress Street, Suite 1000 (M/S RAA)
Boston, MA 02114-2023

CONFIDENTIAL

Re: Cape Cod Textron Operations

Dear Bill:

This letter follows up on my prior letter of 28 April 1999 concerning the disposal of waste water from a former tank at the company's melt pour building at the J-3 Range facility. We have completed our investigation of the matter and I am writing to inform you of the results and to propose an action plan.

Based on information that we have been able to gather, an underground waste water tank with a capacity of 1500 gallons was installed at the J-3 Range facility in approximately 1978, when the melt pour building was constructed. The tank was fed by floor drains which collected waste water from operations (including contaminated cooling water from the milling, or machining, of explosive munitions, and floor washings). The explosive portion of the munitions that were machined were of two types: Octol (containing approximately 25% TNT) and a variety of plastic-bonded explosives (PBE). As of approximately 1986, a series of filters were used at the machine, in the floor drain, and at the inlet to the tank to remove solid residues from the waste water before being discharged to the tank. In approximately 1990, when a closed loop filtering system for the machining process was installed in the melt pour building, the waste water tank was excavated and removed.

The waste water collected in the tank apparently was disposed of on the ground at the J-3 Range facility before approximately 1985, when the practice was stopped. We have been able to verify one instance of such disposal, but there may have been one or more additional instances (we doubt there would have been many such instances, based on the capacity of the tank and the limited use of water in the machining process). In approximately 1986 and 1987, the contents of the waste water tank were placed in drums and then in solar evaporators in an attempt, apparently unsuccessful, to evaporate the liquid. Subsequently, for the period between approximately 1987



the waste water tank were placed in drums and then in solar evaporators in an attempt, apparently unsuccessful, to evaporate the liquid. Subsequently, for the period between approximately 1987 and 1990, we have been able to verify one instance of waste water disposal on the J-1 Range adjacent to the J-3 facility. We believe this was a one-time occurrence. (Please note that this is the same one instance I referred to in my 28 April letter as occurring between 1989-1991; we now believe the 1987-90 time period to be more accurate.) In 1990, the J-3 facility contracted with Clean Harbors to remove 2022 gallons of waste water, which apparently coincided with the removal of the waste water tank and the installation of the closed loop filtering system. When Clean Harbors analyzed this water they determined that it was not a hazardous material.

Based on our investigation, we are now in a position both to present these facts concerning prior waste disposal and to propose a plan of action. We do not know whether the prior disposal of waste water on the J-3 and J-1 Ranges has caused any environmental impact. We are enclosing the only analytical data we have for the waste water, which was generated by Clean Harbors. In order to be proactive in determining whether there has been any impact, however, the company has asked an environmental consulting firm, Harding Lawson, to propose a sampling plan aimed at evaluating the potential impact of this disposal activity. A copy of that plan is enclosed for EPA's review and approval.

We would appreciate an opportunity to discuss the proposed sampling plan with EPA so that the sampling effort can be initiated in the near future. Thank you for your consideration.

Very truly yours,

Carl G. Buzawa

my monders and

1c/

Enclosure





ENVIRONMENTAL SERVICES COMPANIES
CUSTOMER SERVICE
345 QUINCY\_AVENUE
BRAINTREE, MA 02184
1-800-422-8998

Date: 06/29/90

TEXTRON DEFENSE SYSTEMS

201 LOWELL STREET WILMINGTON, MA 01887

ATTENTION: Rudy Longo

Clean Harbors of Braintree, Inc. is in compliance with Section 310 CMR 30.512 of the Commonwealth of Massachusetts Hazardous Waste Regulations. This letter will serve to inform you that Clean Harbors of Braintree, Inc. has all the appropriate permits and licenses for, and will accept those wastes specified by the Waste Material Profile numbers listed below.

When shipping the below referenced wastes, the waste material profile number must be referenced on the shipping container and the manifest.

Please note that should you desire to ship material types other than those covered by the codes on the following page(s), a Waste Material Profile Sheet must be completed for each new material and submitted for acceptance. If acceptable it will be added to your list and a new letter will be sent to you prior to shipment of the material.

To schedule a shipment contact the Customer Service Department at (617) 380-4390.

We appreciate this opportunity to service your environmental needs.

Very truly yours,

CLEAN HARBORS, INC. Customer Service Department





ALL OF THESE APPROVALS WILL EXPIRE ON 06/28/91

ENERATOR
NAME
PROFILES
PAGE 2

CLHE
PROFILES DESCRIPTION
CODE
EXTRON DEFENSE SYSTEMS
R61264 WASTE WATER/WELLWATER
B26E



BRAINTREE, MA 02184



JOB DESC:

TEXTRON DEFENSE SYSTEMS

201 LOWELL STREET HILMINGTON, MA 01887

TEXTRON DEFENSE SYSTEMS U3 RANGEL/CAMP EDWARDS JOB STENDUICH, MA

2921.40

INVOICE

	·			30	D SITE.	·		
	em er Arm, e sin i f	eran er				BOLO	70990	
JSTOMER	JOB NO.	PURCHASE ORDER NO.	DATE WORK PERFORMED		TERMS	INVO	ICE DATE	INVOICE NO.
(250	3637	400467		HET	30 DAYS	07/19	/90 ER	43827
ANTITY	ITEM I.D		DESCRIPTION		PRICE	U/M		AMOUNT
22.00 5	25B	B36/G WASTE WAT TRANSPORT	07/03/90 ======== ER/WELLWATER	; n.d.	1.20 90.00	S&L	49	5.40 5.00
	T3 * 0* 10 10 10 10 10 10 10 10 10 10 10 10 10		JOB TOT		INVOIC ····-] TRANSP	DE TOTAL TAX ORTATION EPAID	292	1.40 0.00 0.00



#### PAYMENT AUTHORIZATION

#### ISTRUCTIONS:

- 1. Prepare this form when a payment is required for procurements not based on a Purchase Order.
- 2. Attach substantiating documentation: statement, invoices or other.

3. Retain a copy. For	ward authori:	zed original to Cost	t and General Accou	nting.		
ue a check to the follow	ring:					
yee Clean Harbor	S			Amou	nt: \$ 765.00	
reet No. P.O. Box	510					
ty Boston	Stat	te <u>MA</u>	Zip Code 02	102		
payment of (full descrip	otion and justi	fication):				
yment for Emerge	,		d of materials	generated at	TEXTRON Cape (	Derations
-3 Range)		•			•	•
eck Appropriate Box(s)						
Mail check direct 😡		attachment 🗆			xtension	
ORIGINATE	D BY		AUTHORIZED	BY	APPRO	VED BY
ite: August 07, 1	990	Date:	······································			
ganization Code: <u>B22</u>	0	Title:			Controller	
me: Rudy Longo		Signature:			Signature:	
Leublily Chi	) of.	VCCOII	NTS PAYABLE DIS	TOIDUTION		
ENDOR REF. NO. INV	OICE DATE	. DUE DATE	P.O. NO.	VOUCHER NO.	INVOICE CLERK	DATE RES.
ACCOUNT NO.	WORK OR	DER NO.	ORG. CODE	NET	DISCOUNT	GROSS
	••					
	•			· ·		



abors Analytical Services .....

ig magons what ye to at its env is upod Road

.0. Box 327 mintres, HA 102184. CleanHarbors

ENVIRONMENTAL SERVICES COMPANIES

P.O. BOX 510, BOSTON: MA 02102

JOB DESC.

(617) 849-1800 Page ä:

33

ORDERED BY: RUDY LONGO RECEIVED 5/3/90 Chas# 9005040

JOS SITE.

9005040/LONGO

TEMTRON INCORPORATED
OFFENSE SYSTEMS
201 LOWELL AVENUE
OFFENSE OFFENSE OF THE OFFENSE 
01387

Ord Dt.: 6/26/90 Order # 012474

TOMER	JOB NO.	PURC	HASE ORDER NO.	DATE WORK PERFORMED		TERMS	11	VOICE DATE	INVOICE NO.
30.	1500	L04	Gn 17		NET	50 DA70	5,	/28/90	125254
TITY	ITEM I.D.			DESCRIPTION	<u>'</u>	PRICE	U/M		AMOUNT
1.00	DAI		DIRECT AC	)UECUS (NJECTION-	TNT	350.00	ĒΑ		350.00
1.00	FLPL			IT - LIQUID		45.00	£Λ	·	45.00
1.00			8 METALS EXTRACTION	EP TOXICITY (INC )H)	LUDES	230.00	EA		280.00
1.00	RESULF	•	SULFIDE.	REACTIVE		30.00	EA		50.00
1.60			REACTIVE,	CYANIGE		≉8. <b>0</b> €	ΞA		40.00
						••			
!									
				•		•		ŀ	
,		•		•		·• <del>-</del>	·		and the second
_					1				
·					-				
			<b>.</b>						
									7 <b>-</b>
	·							•	
			>					,	
		_		VED FOD DAVIATA	_				
			APPRO	VED FOR PAYMEN					
		•		DATE					•
			1						

ANY QUESTIONS CONCEPNING THIS INVOICE, PLEASE CALL KEN CASTING AT EXTENSION 4 1336.

INVOICE TOTAL TAX TRANSPORTATION PREPAID

765.00

INVOICE

76E...



٠	NI.	7.3	•	~
1	163	пна	TH	rs
Į	104	11114	, ,,	′

#### WASTE MATERIAL PROFILE SHEET

	Profile Number
A CENTRAL INFORMATION	
	BILL TO TEXTRON Defense Systems
(As will appear on manifest)	(Customer)
FACILITY ADDRESS 201 LOWELL STEPET	CUSTOMER CONTACT Rudy Longo
	SUSTOMER PHONE (508) 657-3782
	SENERATOR U.S.EPA D . LIN/ALLLLLLL
TECHNICAL CONTACT: RUDY LONGO	TILE ERV. Coordinator PHONE (508) 657-3782
GENERATORS COMMON NAME FOR WASTE	
PROCESS GENERATING WASTE	
B. PHYSICAL CHARACTERISTICS OF WASTE	
ROCO MEDDIAH SIMADRO & SPIAR HE DOOR	PHYSICAL STATE & 70°F  (CHECK SEVERAL BOXES IF APPLICABLE)  (THICK VISCOUS LIQUID  THICK VISCOUS LIQUID
FLASH POINT (*F)	₹ LIQUID WITH NO SETTLED EQUIDS □ POWDER
□ < 100 □ 100-140 □ 141-200 y > 200 □ NO FLASH	C LIQUIGISOUD MIXTURE
C. COMPOSITION (INCLUDE INERT COMPONENTS, DESRIS, ETC.)	% LICUID <u>9.8</u> % SOLID <u>2</u>
	H. METALS I TOTAL (PPM) & EMA EXTRACTION PROCEDURE (mg/L)
ANALYTICAL DATA ATTACHED	LASENIC (AS) ND SELENIUM (SA) ND
	BARIUM (94) 0.22 SILVER (Ag) ND
20	0.000
es,	CHROSHUM ICI 003 NICKEL [NII
	CHROWIUM MEX Cr+C ZINC (Zn)
	LEAD (PD) TIN (SA)
	WERCURY (Hg) . ND OTHER
PANGES ARE PERMISSIBLE	I. OTHER COMPONENTS - TOTAL (PPM)
D. DEPT. OF TRANSPORTATION SHIPPING INFORMATION	GYANIDES ND PCB'S
O.O.T. HAZARDOUS MATERIAL TE YES TENO	SULFIDES ND F01-F05 SOLVENTS
D.O.T. SHIPPING NAME NOT Hazerdous Material	PESTICIDES 12 YES TO SPECIFY
D.O.T. HAZARO CLASS N/A	MATER REACTIVE TO YES \$7 NO DIOXING TO YES \$7 NO
UNNA . N/A REPORTABLE QUANTITY VALUE N/A	J. SAMPLE STATUS
	X REPRESENTATIVE SAMPLE HAS BEEN SUPPLIED
E. SHIPMENT METHOD  [X EULK LÍOUID TO BULK SOLID TO DRUM (STE)	CLEAN HARBOASHAS WAIVED THE SAMPLE REQUIREMENT FOR THE FOLLOWING REASON
1 OTHER ISPECTY Vac Truck	Z VIASTE IS AN UNUSED (VIRGIN) PRODUCT (ATTACH MEDS)
F. ANTIGIPATED YOU'ME	WASTE HAS BEEN PREVIOUSLY RECEIVED BY CLEAN HARBORS
1.500 - 1,800 = GALS XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	T WASTE CAN NOT BE SAMPLED
PER ONE TIME I QUARTER I YEAR	X WASTE IS NON HAZAPOOUS
	T, WASTE WAS GENERATED FROM A SPILL
C. WASTE DISPOSAL STATUS  U.S. EPA HAZARDOUS WASTE [] YES \$\frac{36}{2}\$ NO	K. OTHER COMMENTS (FOR CUSTOMER'S USE)
U.S. EPA HAZAROOUS WASTE NUMBER(S) N/A	- l Analytical Data attached
STATE HAZARDOUS WASTE C YES & NO STATE HAZARDOUS WASTE NUMBERS) N/A	
IS THIS WASTE BANNED FROM LAND DISPOSAL UNDER FEDERAL REGULATIONS?	
TX YES TI NO  SPECIFIC GENERATOR REQUESTS FOR DISPOSAL TO COMOLIGICE	L FOR CLEAN HARBORS USE
with State, Federal and Local Regulations.	
Non Hazardous, no manufast required, ship	
viz Bill of Lading	
CENED ATORIC	OFFITION :

#### GENERATOR'S CERTIFICATION

1-71-50



* [las ardous Malerials	PEX	De Whathis	RECEIVED, subject to the classifications and lawfully filed faiths in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of confents of packages unknown), marked, constigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to another carrier of its usual place of delivery at a said destingtion, if on its route, otherwise to deliver to another carrier on the route/of said destination of the method as in each carrier of	ADDRESS  ADDRESS  HOTE — Where the rate is dependent on value, shippers are required to state specifically in wrilling the agreed of accuracy value of the property. The state of value of the property is hereby specifically stated by the abpart to be not esceeding portation.  This is to callfy that the above named materials are property and according to any characteristic and including to the applicable regulations of the Department of Transportation and the Department of Transportation a	B.1) Time 2, his 9:25		DOJA GAL PONHAZARAN MASTE WATER	No. Shipping HM* Kind of Packaging, Description of Articles, Units Special Marks and Exceptions	1100 B101.	Street 365 Mying Dy'r  Consigned (1800 1971) of Bicintific mi	Clan Haibun Od	
	1 - 5 - 5 or 5 or 5 or 5 or 5 or 5 or 5 o	٠١٥٠١ ج ١٤١-١٤١ جي ١١٥٠١	all or any of, said property over all or any portion of said route to destination and as to each party at any time indensated in all or any said property. That overy service to be performed horeunder shall be sufficed to all the bill of lading terms and conditions in the governing classification on the date of shipment.  Shipper herety certifies that he is familiar with all the field of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.	Subject to Section 7 of the conditions, it this ahipment is to be delivered to the consigner without recovers on the conditions, it this ahipment is to be delivered to the consigner, without proposed to the consigner, it is a consigner, it is a consigner, it is a consigner, the consigner and the consigner, it is a consigner, the consigner and the consigner, it is a consigner to the consigner.  FREIGHT CHARGES:  FREIGHT CHA		A OK\$7	10	Weight Rate CHARGES		SUBSTITUTE CARE OFERATIONS	CF Kinsstr Carrier No	Shipper No.
					•••							e eran



## Cean Harbors

5 ADDED - ARAM

	The state of the s	スフフラ		KIN, Slovian in
Clean Harbors Analytical, 325 Wood Rd., Braintree,	ec, MA. 02104	CHAIN OF CUSICOY RECORD	Samulte: Custodian - (617	(617) 849-6070 Page   of (
Climi: IEXTRON DEFENSA	Project Name:	N	Projection: ": LONGO	50 min 5/22/90
Report 10:	Address:			one #:
Invoice to: GEB DEICHIVI	Address:			
Date Samples Collected:		by:	Date Samples Received:	
Airbill/Bill of Loding? Y (H) NOIE:	Samples received unpreserved will	served will be preserved upon arriva	_	: Preserved Uppreserved A DE.
Sampling Information	+AO -	O nalysis		Coments
Sample 1.D.  Date Time Station Location	Sample Type	Reas ET		cautions, etc.) CHAS Sample #
J3 426	us //			0141
_			(첫 년·	
-				
			·	
	VOA Vial		REMARKS: (Sampl	(Sample storage, nonstandard somple bottles,
Date: Time:	Glass Bottle		Special Hastractions	120 (2)
Received hy:	Plastic Bot.		**	* HOROTON TO BE OF
	Pres.		707	
Date: lime:	Volume		Car	Aprila por
Received by:   lime:	Preservation Key: A - B · Filtered, C · Sam	A - Acidified with  Sample chilled, 0 - Haolf,  U - Sample Addient f - Other	<i>ا</i> راً -	as on/ee/es ofores =
Standard laboratory turnaround time is 2 weeks	form date of receipt.	round may be	Location of samples: RATION STER	mustur.
			A. C.	/



ean Harvoy

INORGI ON 110

1	119						,	 	 					<del>,</del>				T :					ı,	1
frantifined by:	ratory turnaround time is 2 weeks form date of receipt. Accelerated ircharge. Accelerated turnaround requested:	Acceived by:  Time:  B - Filtered, C - Sample chilled, D - h E - NaThiosulfate, W - Sample Ambient,	Date: Time: Volume	Date: 4/7k/10 1 ime: 11:50pV) Pres.	Received by: A Commercial Plastic Bot.	Charles VOA VIAI								1	て3 1、1、1、1、1、1、1、1、1、1、1、1、1、1、1、1、1、1、1、	Sample 1.0. Date Time Station Location Sample Type Text of Station Location Sample Type Text of Station Countries of Station Location Sample Type Text of Station Countries of Station Location Sample Type Text of Station Countries of Station	Sampling Information	ii z	Date Samples Collected: 4/26/20 by: 0	Invoice to: Ruly Longo, Address:	Report to: JOF TINGIARO NOTICES: 201 ARCHELLS	Client; X TEXTROAL METERNSE Project Hame: J.3	Clean Harbors Analytical, 325 Wood Rd., Braintree, MA. 02184 CHAIN OF CUST	Control LNOKE
Turnaround: 24 Hrs 4B Hrs 1 Week 2 Weeks Other:	-Klo Echalmiles	HaOH, f · Other	2.0. 15.00: 150x 657-3782-	1/27 09	+ 1/26 12 + MESSAGE SON DOE SUSCIONO	REMARKS: (Sample storage, nonstandard somple special instructions)			. Dudy (27)	H.T.V. Q.B.	OH comociled dies	Strikenik Derrincik.	Charles Court	Sould for the	S & Some will be old will	con.	of (Special instruction	preserved upon arrival at CHAS Samples were: Preserved Unpreserved	Date Samples Received: + 1211/10 4,03,10			Project/\$10. #:1 LONGO OBLE: 4-26-80	CUSTOOY RECORD Sample Custodian - (617) 849-6070 Page   cf	I ON HOLD KENDING TIMT nearliter - Shill





## ANALYTICAL SERVICES 325 WOOD ROAD, BRAINTREE, MA 02184 (617) 849-6070 REPORT OF ANALYSIS

Textron Defense 201 Lowell Street Wilmington, MA 01887

Project: J3 P.O. #: Longo

Date Received: 05/03/90 CHAS Lab #: 9005040

Attn: Mr. Rudy Longo

Enclosed are the results for the sample(s) delivered to our laboratory on the date indicated above.

The methods listed represent those methodologies which were used to develop the best analytical techniques. Analytical results and quality assurance protocols are based on these guidelines. These meet the requirements for the reporting of results under the RCRA, NPDES and Safe Drinking Water Act regulations.

Clean Harbors Analytical Services has an active program of quality assurance and quality control. The program closely follows the guidance provided in the EPA Contract Laboratory Program Statement of Work (organic - 7/87 and inorganic - 7/85), the guidance provided in SW-846, and many other pertinent documents.

Should you have any questions concerning this work, please do not hesitate to contact me.

The information contained in this report is, to the best of my knowledge, accurate and complete.

Fer/Dara

Robert E. Bentley

Laboratory Manager





Client: Textron Defense

Sample I.D.: J3 Sample Type: Liquid CHAS Lab #: 9005040-01A Date Received: 05/03/90

DIRECT AQUEOUS INJECTION by Ref. Method ASTM D2908-87 (k)

Analysis Date: 05/10/90

Parameter

HDL\*

Conc.\*

Trinitrotoluene

50

ND

Notes

ND - Below minimum detectable level (MDL)

 $\star - mg/1$ 





Client: Textron Defense

Sample I:D.: J3
Sample Type: Liquid

CHAS Lab #: 9005040-0101

Date Received: 05/03/90

Parameter .	MDL	Result	Units	Analysis Date	. Method Number and Reference
Arsenic - EP Toxicity (1)	0.2	ND	mg/l	05/29/90	3010/6010(c)
Barium - EP Toxicity (1)	0.05	0.22	mg/l	05/29/90	3010/6010(c)
Cadmium - EP Toxicity (1)	0.005 '	0.005	mg/l	05/29/90	3010/6010(c)
Chromium - EP Toxicity (1)	0.01	0.03	mg/l	05/29/90	3010/6010(c)
Lead - EP Toxicity (1)	0.1	ND	mg/l	05/29/90	3010/6010(c)
Mercury - EP Toxicity (1)	0.0040	0.0040	mg/l	05/30/90	7470(c)
Selenium - EP Toxicity (1)	0.2	ND	mg/l	05/29/90	3010/6010(c)
Silver - EP Toxicity (1)	0.02	ND	mg/l	05/29/90	3005/6010(c)

Notes: ND = Below minimum detectable level (MDL)

Soil/solid samples based on sample dry weight.

Sample extracted 05/24/90 Sample digested 05/25/90 Mercury digested 05/29/90

(1) Sample was evaluated by EPA Method 1310, EP Toxicity, as described in reference (c).

, 0 0



CHAS Lab #: 9005040

DIRECT AQUEOUS INJECTION BLANK by Ref. Method ASTM D2908-87 (k)

Analysis Date: 05/10/90

Parameter

HDL\*

Conc.\*

Trinitrotoluene

50

ND

Notes

ND - Below minimum detectable level (MDL)

\* - mg/1





Sample I.D.: J3
Sample Type: Liquid

CHAS Lab #: 9005040-0101 Date Received: 05/03/90

Parameter	MDL	Result	Units	Analysis Date	Method Number and Reference
Flashpoint	••	>200	deg F	05/30/90	1010(c)

Notes: ND - Below minimum detectable level (MDL)

Soil/solid samples based on sample dry weight.





imple I.D.: J3

mple Type: Liquid

CHAS Lab. #: 9005040-01U1

Date Received: 05/03/90

rameter	MDL	Result	Units	Analysis Date	Method Number and Reference
active Cyanide	0.10	ND	mg/l*	06/08/90	7.3.3.2 (c)
	0.50	ND	mg/l**	06/08/90	7.3.4.2 (c)

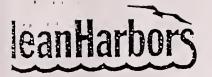
tes: ND - Below minimum detectable level (MDL)

Soil/solid samples based on sample dry weight.

\* - Total Releasable Cyanide: mgHCN/l as received basis.

\*\* - Total Releasable Sulfide: mgH2N/l as received basis.





QUALITY CONTROL

REPORT OF ANALYSIS

CHAS LAB. NO. 9005040

The attached quality control data was generated during the analysis of these samples. The sample data has been corrected for analytes found in the blank (if any). Corrections were performed in accordance with the procedures as stated in the Clean Harbors Analytical Laboratory QA/QC Manual and pertinent SOP's, which are available for review. This data is submitted for informational purposes only.







DIRECT AQUEO by Ref. Metho

Analysis 1

Parameter

Trinitrotoluene

QUALITY CONTE

Notes

ND - Below minimum

 $\star - mg/1$ 

REPORT OF ANAL

CHAS LAB. NO. 9

The attached quality control during the analysis of these data has been corrected for blank (if any). Correction: accordance with the proced Clean Harbors Analytical La and pertinent SOP's, which review. This data is submit purposes only.





CHAS Lab #: 9005040

DIRECT AQUEOUS INJECTION BLANK by Ref. Method ASTM D2908-87 (k)

Analysis Date: 05/10/90

Parameter

HDL\*

Conc.\*

Trinitrotoluene

50

ND

Notes

ND - Below minimum detectable level (MDL)

 $\star = mg/1$ 





CHAS Lab #: 9005040

### BLANK ANALYSIS

### METALS

Parameter	MDL*	Result*	Digestion Date	Analysis Date	Method Number and Reference
Arsenic - EP Toxicity (1) Barium - EP Toxicity (1) Cadmium - EP Toxicity (1) Chromium - EP Toxicity (1) Lead - EP Toxicity (1) Mercury - EP Toxicity (1) Selenium - EP Toxicity (1) Silver - EP Toxicity (1)	0.2 0.05 0.005 0.01 0.1 0.0040 0.2 0.02	ND	05/25/90 05/25/90 05/25/90 05/25/90 05/25/90 05/29/90 05/25/90 05/25/90	05/29/90 05/29/90 05/29/90 05/29/90 05/29/90 05/30/90 05/29/90	3010/6010(c) 3010/6010(c) 3010/6010(c) 3010/6010(c) 7470(c) 3010/6010(c) 3010/6010(c)

Sample extracted on 05/24/90

Notes: ND - Below minimum detectable level (MDL)

\* - mg/1

Soil/solid samples based on sample dry weight.

(1) Sample was evaluated by EPA Method 1310, EP Toxicity, as described in reference (c).

16	r 4

# Pearlian bos

Standard Laboratory turnaround time is 2 weeks form date of receipt. Accelerated turnaround may be seeked a surcharge. Accelerated turnaround requested:  Surcharge:	Received by:    Preservation Key: A · Acidified with	Date: Volume	Chished by	Received by: All City Plastic Bot.	Date: A. 76 70 Time: 4.50 DF Glass Bottle 72	Religanished by: M. M. Charles von vial .								J3 \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Date lime Station Location Sample 17pc	Sample 1.0 Sampling Information	DIE: Samples received urpreserve	Date Samples Collected: 4/26/30 by: 0	Invoice To: KNOW LONDO, Address:	REPORT TO: JOE LINGIARO NOMICESS: 201 ACRELLET MIL	Client; X TEXTROAL DE TEXTS = Project Hame: T.3	Clean Harbors Analytical, 325 Wood Rd., Braintree, M. 02184 CHAIN OF CUSTON RECORD	LACALITATION IN INDICATION IN
Turnar and: 24 lies 4.8 lies 1 week 2 weeks Jother:	chive Cu , Reactive	B. B. 1500: (508)657-3782	1/27 00	४० ८०१। उन्हें	#4/26 Fight wasself you not significant	FI REMARKS: (Sample storage, nonstandard sample bottles,	+1/4	.:	Rudy L-Morto.	To HIV. RE	pH camertled due	~	repubatel when,	2 * Spora-will be OIA, MAR	con. cautions, etc.) CHAS Sample #	Comments (Special Instructions,	ival at CIIAS Samples were: Preserved Unpreserved	Date Samples Received: 11/11/1917 15 0.3 170		ME 7 Pho	Project/ O. H: LONGO gate: 4-26-50	Sample Custodian · (617) 049-6070 Page   01	HOLD RENDING TINT parclifa - shall



# eanHarbors

### Method References

- (a) "Methods for Chemital Analysis of Water and Wastes," Publication EPA-600/4-79-020, U.S. Environmental Protection Agency, Environmental Monitoring and Support Laboratory, Cincinnati, 1979, revised Marth 1983.
- (b): "Standard Methods for the Examination of Water and Wastevater." 16th ed., American public Health Association, American Water Works Association, Water Pollution Control Federation, Washington, D.C., 1985.
- (t) "Test Methods for Evaluating Solid Waste: Physical/Chemital Methods." 2nd ed., U.S. Environmental Protection Agenty, Office of Solid Waste and Emergency Response, Washington, D.C., July 1982.
- (d) \*The Determination of Polythlorinated Biphenyls in Transformer Fluid and Waste Oils.\* Publication EPA-600/4-81-045. U.S. Environmental Protection Agency, Environmental Monitoring and Support Laboratory, Cintinnati, 1981.
- (e) \*EPA-CLP Organic Analyses of Low and Medium Hazardous Waste Sample (Water and Soil) Procedures Revision.\* U.S. Environmental Protection Agenty, July 1985.
- (f) "Test Procedures for Analyses of Organic Pollutants," Code of Federal Regulations, Appendix A, Part 136, July 1, 1985.
- (g) "Measurement of Purgeable Organic Compounds in Drinking Water by Cas Chromatography/Mass Spectrometry," Hethod 524, U.S. Environmental Protection Agency, Environmental Monitoring and Support Laboratory, Cincinnati.
- (h) "Prestribed Procedures for Measurement of Radioattivity in Drinking Water." Publication EPA-600/4-80-032, U.S. Environmental Protection Agency, Environmental Monitoring and Support Laboratory, Cincinnati, August 1980.
- (i) "Clean Harbors Radiological Environmental Analytical Procedures," Clean Earbors Analytical Services, Braintree, MA, October 1985.
- (j) "Methods for Chlorinated Phenoxy Acid Herbicides in Industrial Effluents," MDQARL, Cintinnati, November 23, 1973.
- (k) "Annual Book of Standards." Section 11: Water and Environmental Technology, Vols. 11.01-11.04, American Society for Testing Naterials, Philadelphia, 1983, 1984 & 1985.
- "Methods for Benzidine, Chlorinated Organic Compounds, Pentachlorophenol and Pesticides in Water and Wastevater," U.S. Environmental Protection Agency, September 1978.
- (m) "Methods for Organochlorine Pesticides in Industrial Effluents." MDQARL, Environmental Protection Agency, Cincinnati, November 28, 1973.
- (n) "Methods for Determination of Inorganic Substances in Vater and Fluvial Sediments," Techniques of Vater-Resources Investigation of the U.S. Geological Survey, Book 5, Chapter A-1, U.S. Department of the Interior, 1979.
- (o) "Measurement of Trihalomethanes in Drinking Water by Cas Chromatography/Hass Spectrometry and Selected Ion Monitoring." Method 501.3, U.S. Environmental Protection Agency, Environmental Monitoring and Support Laboratory, Cincinnati.
- (P) "The Analysis of Trihalomethanes in Finished Waters by the Purge and Trap Method." U.S. Environmental Protection Agency, Environmental Monitoring and Support Laboratory, Cincinnati.
- (q) "The Analysis of Trihalomethanes in Drinking Water by Liquid/Liquid Extraction," U.S. Environmental Protection Agency, Environmental Monitoring and Support Laboratory, Cincinnati.
- (T) "Official Hethods of Analysis." Wasociation of Official Analytical Chemists, 14th ed., 1984.
- (s) "Harh Handbook of Water Analysis," Hach Chemical Company, Loveland, CO, 1979.
- (\*) "H.M. Prichard and T.F. Gesell. "Rapid Heasurament of Rn-222 Concentrations in Water with a Commercial Liquid Scintillation Councer. "Health Physics, Vol. 33, 1977, pp. 577-581.
- (u) TPerroleum Products and Lubricants (I): D56-D1660. Annual Book of ASTM Scancards. Volume 5.01. American Society for Testing and Materials, Philadelphia, 1985.
- (v) "Petroleum Products and Lubricants (III): DIPSI-Latest: Catalysts." Annual Book of ASTM Standards. Volume 5.00. American Soviety for Testing and Materials.

Jonathan Sourne Public Library
19 Sandwich Rd.
Bourne, MA 02532

35 1 1 3

## **Textron Systems Corporation**

# Exhibits Submittal of Request for Information Pursuant to Section 104 of CERCLA for Massachusetts Military Reservation (MMR)

25 February, 2000

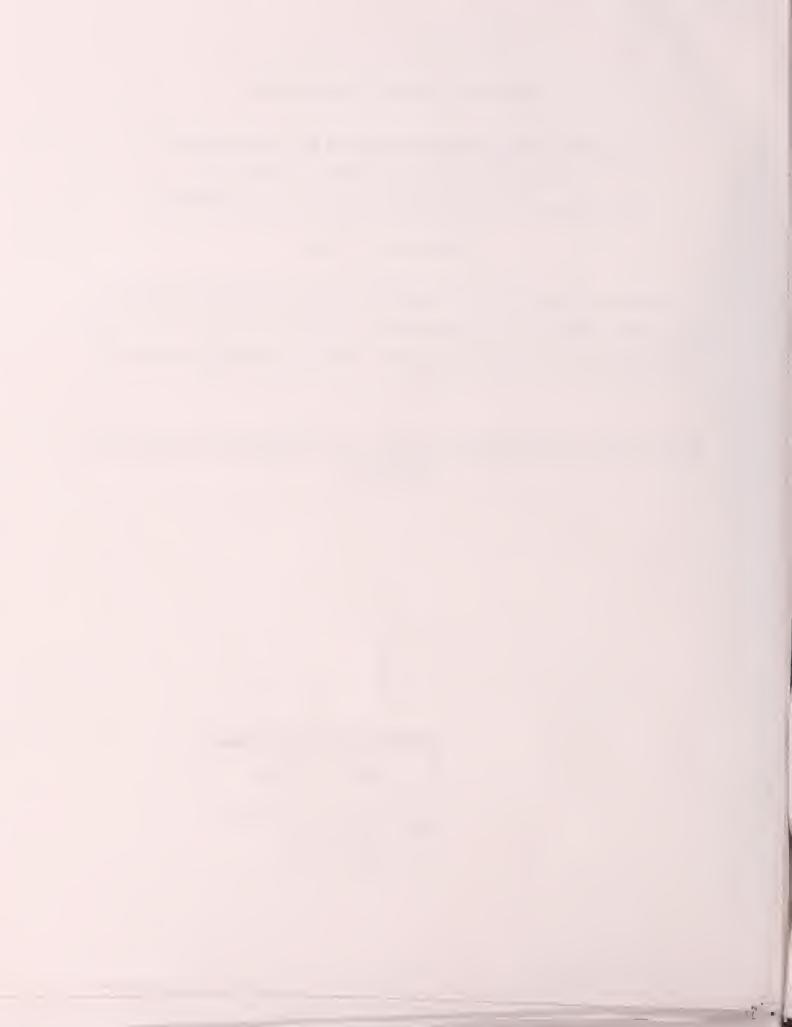
Textron is asserting confidentiality claim pursuant to Sections 104(e)(7)(E) and (F) of CERCLA, 42 U.S.C. §§ 9604(e)(7)(E) and (F) for the entire package enclosed.

Department of the Army License Camp Edwards, Massachusetts
(J3 Range)

Jonathan Bourne Public Library

19 Sand Lim Rd.

Bourne, MA 02532



COMBUNA LLIA : LE

# TEXTRON PRIVATE

# CONFIDENTIAL

No. DACA51-3-94-46

DEPARTMENT OF THE ARMY LICENSE

CAMP EDWARDS, MASSACHUSETTS

THE SECRETARY OF THE ARMY, hereinafter referred to as the Secretary, under authority of the General Administrative Power of the Secretary of the Army hereby grants to TEXTRON DEFENSE SYSTEMS (TDS), Division of AVCO Corporation, Inc., a Delaware Corporation organized and existing under the laws of the State of Delaware with its principal office located at 201 Lowell Street, Wilmington, Massachusetts 01887, hereinafter referred to as the grantee, a license for use of a portion of the Camp Edwards, Massachusetts for an ammunition and ordnance testing area, over, across, in and upon lands of the United States, as identified in Exhibits "A" and "B" attached hereto and made a part hereof, hereinafter referred to as the premises.

THIS LICENSE is granted subject to the following conditions.

### 1. TERM

This license is granted for a term of five (5) years, beginning 1 February 1994 and ending 31 January 1999, but revocable at will by the Secretary.

2. That the licensee shall pay an administrative charge of \$650.00 for processing this license.

### NOTICES

All notices to be given pursuant to this license shall be addressed, if to the grantee, to Textron Defense Systems (TDS), 201 Lowell Street, Wilmington, Massachusetts 01887; and if to the United States, to the District Engineer, Attention: Chief, Real Estate Division, Department of the Army, New York District, Corps of Engineers, 26 Federal Plaza, New York, New York 10278-0090 or as may from time to time otherwise be directed by the parties. Notice shall be deemed to have been duly given if and when enclosed in a properly sealed envelope addressed as aforesaid, and deposited, postage prepaid, in a post office regularly maintained by the United States Postal Service.



### 4. AUTHORIZED REPRESENTATIVES

Except as otherwise specifically provided, any reference herein to "Secretary", "District Engineer", "Installation Commander", or "said officer" shall include their duly authorized representatives. Any reference to "grantee" shall include any duly authorized representatives.

### 5. SUPERVISION BY THE INSTALLATION COMMANDER

The use and occupation of the premises shall be subject to the general supervision and approval of the Installation Commander Camp Edwards hereinafter referred to as said officer, and to such rules and regulations as may be prescribed from time to time by said officer.

### 6. APPLICABLE LAWS AND REGULATIONS

The grantee shall comply with all applicable federal, state, county and municipal laws, ordinances and regulations wherein the premises are located.

### 7. CONDITIONAL USE BY GRANTEE

The exercise of the privileges herein granted shall be:

- a. without cost or expense to the United States.
- b. subject to the right of the United States to improve, use or maintain the premises.
- c. subject to other outgrants of the United States on the premises.
- d. personal to the grantee, and this license, or any interest therein, may not be transferred or assigned.

### 8. CONDITION OF PREMISES

The grantee acknowledges that it has inspected the premises, knows its condition, and understands that the same is granted without any representations or warranties whatsoever and without any obligation on the part of the United States.



### 9. COST OF UTILITIES

The grantee shall pay the cost, as determined by said officer, of producing and/or supplying any utilities and other services furnished by the government or through government—owned facilities for the use of the grantee, including the grantee's proportionate share of the cost of operation and maintenance of the government—owned facilities by which such utilities or services are produced or supplied. The Government shall be under no obligation to furnish utilities or services. Payment shall be made in the manner prescribed by the officer having such jurisdiction.

### 10. PROTECTION OF PROPERTY

The premises shall at all times be protected and maintained in good order and condition by and at the expense of the grantee. The grantee shall be responsible for any damage that may be caused to the property of the United States by the activities of the grantee under this license, and shall exercise due diligence in the protection of all property located on the premises against fire or damage from any and all other causes. Any property of the United States damaged or destroyed by the grantee incident to the exercise of the privileges herein granted shall be promptly repaired or replaced by the grantee to a condition satisfactory to said officer, or at the election of said officer, reimbursement made therefor by the grantee in an amount necessary to restore or replace the property to a condition satisfactory to said officer.

### 11. INDEMNITY

The United States shall not be responsible for damages to property or injuries to persons which may arise from or be incident to the exercise of the privileges herein granted, or for damages to the property of the grantee, or for damages to the property or injuries to the person of the grantee's officers, agents, servants or employees or others who may be on the premises at their invitation or the invitation of any one of them, and the grantee shall hold the United States harmless from any and all such claims not including damages due to the fault or negligence of the United States or its contractors.



### 12. RESTORATION

On or before the expiration date of this license or its termination by the grantee, the grantee shall vacate the premises, remove the property of the grantee, and restore the premises to a condition satisfactory to said officer. If, however, this license is revoked, the grantee shall vacate the premises, remove said property and restore the premises to the aforesaid condition within such time as the District Engineer may designate. In either event, if the grantee shall fail or neglect to remove said property and restore the premises, then, at the option of said officer, the property shall either become the property of the United States without compensation therefore, or said officer may cause the property to be removed and no claim for damages against the United States or its officers or agents shall be created by or made on account of such removal and restoration work. The grantee shall also pay the United States on demand any sum which may be expended by the Untied States after the expiration, evocation, or termination of this license in restoring the premises.

### 13. NON-DISCRIMINATION

The grantee shall not discriminate against any person or persons because of race, color, religion, sex, age, handicap, or national origin in the conduct of operations on the premises.

### 14. TERMINATION

This license may be terminated by the grantee at any time by giving the District Engineer at least ten (10) days notice in writing.

### 15. ENVIRONMENTAL PROTECTION

A. Within the limits of their respective legal powers, the parties to this license shall protect the premises against pollution of its air, ground and water. The grantee shall comply with any laws, regulations, conditions, or instructions affecting the activity hereby authorized if and when issued by the Environmental Protection Agency, or any Federal, state, interstate or local governmental agency having jurisdiction to abate or prevent pollution. The



disposal of any toxic or hazardous materials within the premises is specifically prohibited. Such regulations, conditions, or instructions in any Federal, state, interstate or local governmental agency are hereby made a condition of this license. The grantee shall not discharge waste or effluent from the premises in such a manner that the discharge will contaminate streams or other bodies of water or otherwise become a public nuisance.

- B. The grantee will use all reasonable means available to protect the environment and natural resources, and where damage nonetheless occurs from the grantee's activities, the grantee shall be liable to restore the damaged resources. \* To the extent of Grantee's involvement.
- C. The grantee must obtain approval in writing from said officer before any pesticides or herbicides are applied to the premises.

### 16. HISTORIC PRESERVATION

The grantee shall not remove or disturb, or cause or permit to be removed or disturbed, any historical, archaeological, architectural or other cultural artifacts, relics, remains or objects of antiquity. In the event such items are discovered on the premises, the grantee shall immediately notify said officer and protect the site and the material from further disturbance until said officer gives clearance to proceed.

### 17. DISCLAIMER

This license is effective insofar as the rights of the United States in the premises are concerned; and the grantee shall obtain any permit or license which may be required by Federal, state, or local statute in connection with the use of the premises. It is understood that the granting of this license does not preclude the necessity of obtaining a Department of the Army permit for activities which involve the discharge of dredge or fill material or the placement of fixed structures in the waters of the United States, pursuant to the provisions of Section 10 of the Rivers and Harbors Act of 3 March 1899 (33 USC 403), and Section 404 of the Clean Waters Act (33 USC 1344).



- 18. That the licensee shall continue the present agreement with Camp Edwards to reimburse the Government for range control and any other support provided. This agreement to be renegotiated every five (5) years from the date of the original agreement.
- 19. That no explosives will be used without prior approval of Commander, Camp Edwards.
- 20. That the licensee shall abide by all traffic control rules established by Commander, Camp Edwards.
- 21. That the licensee shall have no obligation to restore the premises in the event of partial or total termination of this license, provided that, prior to any partial or total termination of this license, the licensee shall decontaminate the areas to be terminated including but not limited to the "sweeping" of any and all impact areas, by appropriate metal detection equipment and de-fusing and total removal of all explosive properties whether live or inert.
- 22. That during the term of this license, the licensee agrees to hold the licensor and the Military Reservation Commission harmless from all claims for personal injury or property damage arising directly from the activities of the licensee on the premises including the construction or removal of any improvements made thereon.
- 23. That the licensee agrees that it will not permit any use or disposition of the premises which would permanently interfere with the future use of the premises for the administration and training of units of the United States Reserve in the case of national emergency or in time of war by the Armed Forces of the United States or other Governmental agencies.
- 24. That for such period as the licensee occupies and/or is in possession of the licensed property, the licensee shall at its own cost and expense procure from an insurance company acceptable to the Government and maintain a public liability insurance policy or policies to hold the Government harmless, which policy or policies will protect the Government from liability for any death or injuries to any person or persons and damages to the property which may arise from or be incident to the licensee's use and occupancy of the affected property. The amount of the insurance contained in the aforementioned policy or policies shall not be construed to be a limitation of the liability of the licensee. The licensee shall furnish to the said officer a Certificate or Certificates of Insurance to evidence such coverage.



- 25. That this License supersedes Lease No. DACA33-1-89-43 effective 1 February 1994.
- 26. Record of Environmental consideration dated 29 December 1993 is attached hereto and made a part hereof as Exhibit "C".
- 27. That this license is subject to all terms and conditions of Lease No. DACA51-5-77-127 granted by the Commonwealth of Massachusetts to the United States of America made and entered into 1 July 1976 for a term commencing 1 July 1976 through 30 September 1976 provided that unless and until the Government shall give notice of termination in accordance with paragraph 6 therein, this lease shall remain in force thereafter from year to year without further notice, until 30 September 2026.

THIS LICENSE is not subject to Title 10, United States Code, Section 2662, as amended.

IN WITNESS WHEREOF, I have hereunto set my hand by authority of the Secretary of the Army, this 6th / day of April 1994.

AY E. HECHT

Chiet,/Real Estate Division

THIS LICENSE is also executed by the grantee this 23rd day of March 1994.

TEXTRON DEFENSE SYSTEMS (TDS)

Richard E. Bibaud

(Type or Print Name)

TITLE: Vice President,

Computer & Industrial Services



# DEPARTMENT OF THE ARMY LICENSE TEXTRON DEFENSE SYSTEMS

CAMP EDWARDS, MASSACHUSETTS

### PROPERTY DESCRIPTION

All that tract or parcel of land situated in the Town of Sandwich, Commonwealth of Massachusetts, being a portion of the Camp Edwards Military Reservation and more particularly described as follows:

Beginning at a point marked by a set concrete bound being located 25 feet from the centerline of existing pavement on the northerly side of Greenway Road; thence N 110 48' 05" W a distance of 490.37 feet to a set concrete bound; thence N 08° 38' 13" W a distance of 849.08 feet to a set concrete bound; thence N 09° 47' 43" W a distance of 972.67 feet to a set concrete found; thence N 60° 40' 22" W a distance of 104.17 feet to a set concrete bound; thence N 30° 20' 17" W a distance of 849.08 feet to a set concrete bound; thence N 01° 20' 17" W a distance of 849.08 feet to a set concrete bound to the intersection of a line along Greenway Road running 25 feet from the centerline of existing pavement; thence proceeding along said line N 87° 08' 20" W a distance of 76.89 feet; thence proceeding along said line in a curve to the left of a radius of 360 feet a distance of 158.26 feet; thence proceeding along said line S 67° 40' 25" W a distance of 294.06 feet; and thence proceeding along said line in a curve to the left of a radius of 380 feet a distance of 170 feet the point of beginning.

Survey reference - Plan of Land, Prepared for Textron Defense Systems (TDS), Division of AVCO Corporation, Inc. at Camp Edwards Military Reservation in Sandwich, Massachusetts by Philip D. Holmes, DWG. No. 21-4-13.



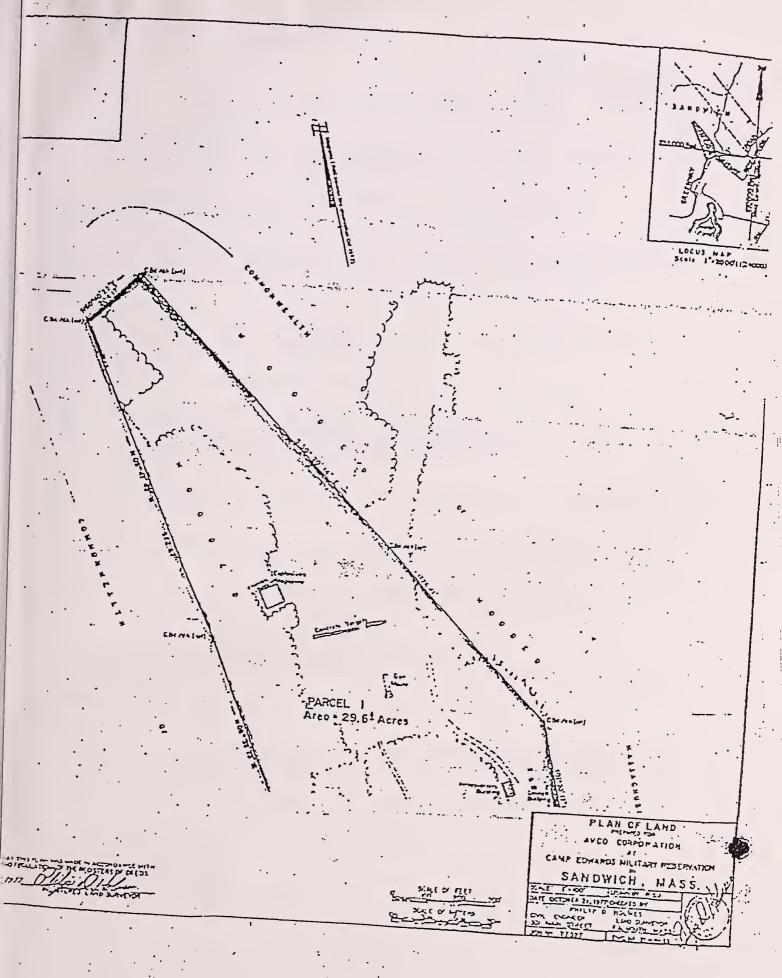


EXHIBIT "B"



DATE:	29	DEC	93
STATE:		MA	

#### RECORD OF ENVIRONMENTAL CONSIDERATION .

1.	TITLE:	FIVE	YEAR	LEASE	EXTENTION	FOR	TEXTRON,	LEASE	NO.
DACA	433-1-89-4	43 J3	RANGE	E, CAMI	P EDWARDS,	MA			

2. DESCRIPTION OF PROPOSED ACTION: (Include existing environmental setting)

EXTEND FOR 5 YEARS THE EXISTING LEASE FOR TEXTRON DEFENSE SYSTEMS, INC. TO PERFORM MUNITIONS TESTING AND RELATED ACTIVITIES ON J3 RANGE AT CAMP EDWARDS, MA.

- 3. ANTICIPATED START DATE AND/OR DURATION OF PROPOSED ACTION: 1 FEB 1994 TO 31 JAN 1999
- 4. IT HAS BEEN DETERMINED THAT THE ACTION: (CHOOSE ONE)
- XX a. Is adequately covered in the existing EA\_\_\_\_\_, EIS\_\_\_;
  ENTITLED: <u>ENVIRONMENTAL BASELINE SURVEY, TEXTRON</u>

  CAPE OPERATIONS, J3 RANGE, SANDWICH, MA

  AND DATED DEC 1993
  - b. Qualifies for categorical exclusion #\_\_\_\_\_, Appendix A, AR 200-2.
  - c. Is exempt from NEPA requirements under the provision of: (cite superseding law)
  - d. Requires preparation of an Environmental Impact Statement.

SIGNED K. Lyen Sommer (PROPONENT FOR ACTION)  DATE: 29 22 53	CONCURRENCE (LAND OWNER, COORDINATOR, ETC)  DATE:
	CONCURRENCE RASTON COLGS  (FOR THE COMMANDER)  DATE: -30 DEC 93



### CERTIFICATE OF AUTHORITY

I, Carl G.Buzawa
certify that   am the Vice President Division Counsel of
Textron Defense Systems, A Division of Avco Corporation the corporation
described in and which executed the foregoing instrument with the United
States of America; that the said corporation is organized under the
laws of the State of <u>Delaware</u> ; that the corporate seal
affixed to said instrument is the seal of said corporation; that
Richard E. Bibaud who
executed said instrument as Vice President Computer & Industrial of said
.corporation was then Vice President Computer & Industrial Services of said of the Textron Defense Systems Division
corporation and has been duly authorized to execute said instrument in
behalf of said corporation; that I know the signature of said
Richard E. Bibaud ; and that the signature affixed
to such instrument is genuine.
IN WITHESS WHEREOF, I have hereunto set my hand and affixed the
corporate seal of said corporation, this 8th day of February 1994
Coul M Brynn
Carl G. Buzawa Vice President Division Counsel
NOTARY PUBLIC XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
My Commission Expires: April 11, 1997

Jonathan Bourne Public Libery
19 Sandwich Rd.
Bourne, MA 02532

## **Textron Systems Corporation**

Exhibits Submittal of Request for Information Pursuant to Section 104 of CERCLA for Massachusetts Military Reservation (MMR)

25 February, 2000

Textron is asserting confidentiality claim pursuant to Sections 104(e)(7)(E) and (F) of CERCLA, 42 U.S.C. §§ 9604(e)(7)(E) and (F) for the entire package enclosed.

Permit for Use of Certain Facilities at the Camp Edwards Army National Guard Training Site, Camp Edwards, Massachusetts (J1 Range)

Jonathan Bourne Public Library

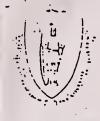
19 Standich F.J.

Bourne, Mrs. 02532



# COMPANY PRIVATE

I and manual gm 3/6 4



THE COMMONWEALTH OF MASSACHUSETTS

E A JUN REAT

MILITARY DIVISION

Ravid 4128199

THE ADJUTANT GENERAL'S OFFICE
905 COMMONWEALTH AVENUE, BOSTON, MASS. 02215

In reply refer to

MAAR-EDW-FI

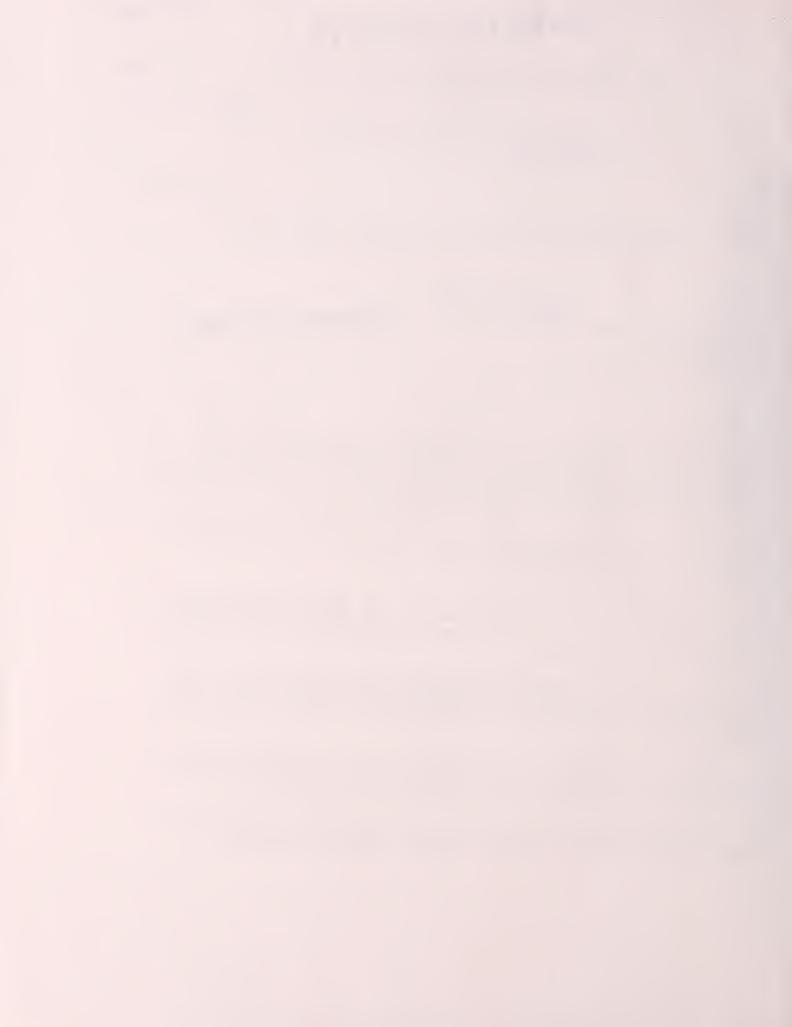
1 July 1983

SUBJECT: Permit for Use of Certain Facilities at the Camp Edwards Army National Guard Training Site, Camp Edwards, Massachusetts

CONFIDENTIAL

AVCO Systems Division 210 Lovell Street Wilmington MA C1887 TEXTRON PRIVATE

- 1. This office agrees to permit the intermittent use of certain range facilities known and identified on Attachment A, as Range J-1 (740170), located on the Camp Edwards ARNG Training Site, Camp Edwards, Massachusetts, to the AVCC Systems Division, Wilmington, Massachusetts. Occupancy and use is permitted primarily as a veapons and munitions test area.
- 2. For the duration of this permit, no use will be made of the range other than that contained in Paragraph 1, above, without the express consent of The Adjutant General, Massachusetts.
- 3. The range enumerated in Faragraph 1, above, is furnished as is, where is, without representation by the Post Commander, Camp Edvards ARNG Training Site, as to their condition except as noted and observed by the AVCC Systems Division on-site representative.
- 4. Except as noted in the Support Agreement, AVCO Systems Division shall be responsible for the protection, maintenance, repair, restoration, and accountability of the ranges and all appurtenances during the term of this permit.
- 5. Any property of the Government damaged by AVCO Systems Division or its representative, incident to use and occupancy, shall be promptly repaired to the satisfaction of The Adjutant General, Massachusetts.
- 6. Alteration, deletions, and/or new construction is not permitted unless prior approval is obtained from The Adjutant General, Massachusetts.



MAAR-EDW-FI 1 July 1983

SUBJECT: Permit to Use Certain Facilities at the Camp Edwards Army National Guard Training Site, Camp Edwards, Massachusetts.

- 7. Any cost, expense, or liability connected with or incident to granting this permit shall be assumed by AVCO Systems Division. Reimbursement for specific Covernment-furnished services, as shown in the Support Agreement will be made payable to the Finance and Accounting Officer, U.S. Army, Fort Devens, thru the Post Commander, Camp Edwards ARNG Training Site, upon presentation of an invoice.
- 8. Normal housekeeping, as outlined by the Post Commander, Camp Edvards ARNG Training Site, and police of immediate environs shall be the responsibility of AVCO Systems Division.
- 9. The Post Commander, Camp Edwards ARNG Training Site, reserves the right to inspect the facility at will.

ANTHONY C. SPADORCIA Major General (MA) The Adjutant General

I understand the conditions of the above entry permit and agree to abide by them during the period of this Agreement.

P. L. Townsend

Assistant Treasurer
Avco Corporation





#### THE COMMONWEALTH OF MASSACHUSETTS

MILITARY DIVISION

THE ADJUTANT GENERAL'S OFFICE
905 COMMONWEALTH AVENUE BOSTON MASS CORES

1 July 1981

SUPRORT AGREDÆNT

Between

THE ADJUTANT GENERAL, MASSACHUSETTS

and .

AVCO SYSTEMS DIVISION

Wilmington, Massachusetts

The attached Support Agreement between The Adjutant General, Massachusetts (Supplier) and AVCO Systems Division (Receiver) is entered into this 1st Day of July, 1983.

FOR THE SUPPLIER

ANTHONY C. SPADORCIA, Major General (MA) The Adjutant General

> R. L. Townsend Assistant Treasurer Avco Corporation



#### SECTION ! (GENERAL)

SUPPORT AGREEMENT

Detveen
THE ADJUTANT GENERAL, MASSACHUSETTS

and

AVCO SYSTEMS DIVISION

Wilmington, Massachusetts

- 1. Support is being provided to the AVCO Systems by The Adjutant General, Massachusetts, through Camp Edvards ARNG Training Site, Camp Edvards, Massachusetts, on a recurring basis from 1 July 1983 through 30 May 1988.
- 2. The responsibility for administrative and logistical services not specifically outlined in this agreement shall remain with the AVCO Systems Division.
- 3. In the event of mobilization and the subsequent recepture of the Camp Edvards ARNG Training Site by the Department of the Army, this agreement becomes nul and void.
- 4. This agreement is made with the understanding that the provisions separately or collectively, can be reopened and renegotiated any time either party considers such action necessary.
- 5. Annual review will be conducted 60 days before the anniversary date.
- 6. During the tenure of this agreement AVCO Systems Division (herein after referred to as the Receiver) will, thru the Post Commander, Camp Edwards ARNG Training Site, keep The Adjutant General, Massachusetts (hereinafter referred to as the Supplier), advised of plans and programs which will affect support requirements. Conversely, the Supplier will advise AVCO Systems Division of mission and other program changes that will affect the support being provided under this agreement.
- 7. This agreement is to provide for limited support requirements to support research and development of munitions and veapons systems by AVCO Systems Division. Said support services are limited to those set forth in Section. III of this agreement and are limited to the intermittent use of Range J-1 and the exclusive use of Range J-3 located on the Camp Edwards ARNG Training Site, Camp Edwards, Massachusetts.



#### SECTION II (FUNDING AND REIMBURSEMENT)

- 1. All billing will be submitted to AVCO Systems Division, 201 Lovell St., Wilmington, Massachusetts on Camp Edvards ARNG Training Site invoice. Invoices will be prepared on a quarterly basis and forwarded so as to arrive at the above address not later than the 5th day of January, April, July and October.
- 2. AVCC Systems Division will reimburse The Adjutant General, Massachusetts, the sum of \$30,000 per annum for all services and support enumerated in Section III. Check will be made payable to the "Finance and Accounting Officer, U.S. Army, Fort Devens" and forwarded to the Post Commander, Camp Edwards ARNG Training Site, Camp Edwards, MA 025½2.
- 3. For ease of accounting and to insure the availability of funds to The Adjutant General, Massachusetts, during the proper accounting periods, reimbursement will be made at the rate of \$7,500 quarterly, payable in accordance with the following schedule: Not later than the 25th day of January (for the period 1 January to 31 March), 25th day of April (for the period 1 April to 30 June), 25th day of July (for the period 1 July to 30 September) and the 25th day of October (for the period 1 October to 31 December).

ADV 9763

CATEGORY	THE SUPPLIER WILL	THE RECEIVED WILL
Meil Pickut and Delivery	Accept mail from the US Postal. Service addressed to AVCC Gyn- tems Division or to its employ- ees and provide a safe reposi- tory within the headquarters in- fice until turned over to a pri- perly identified representative of the Company.	Provide for periodic picace of mail at the headquarter office of the supplierRes-reimburnable)
Fire Protection	Provide fire prevention, protection and fire fighting services.	Comply with the supplier's fire prevention and protection directives.  (Reimburseable: \$6,500 per annum)
Police Services	Provide police protection and security services for proper maintenance of law and order, to include enforcement of trainfic laws, accident investigation and criminal investigation.	Comply with Camp Edwards security regulations in the 190-series and the General Laws of the Commonwealth of Massachusetts, as amended. (Reimburseable: \$6,500 per annum)
Renge Safety	Provide a firing range safety program. Frovide range safety personnel during periods of active utilization of test firing ranges. Maintain liaison with post/base fire department, Otis AFB operations personnel, Federal Aviation Administration to insure proper and safe utilization of air space over and adjacent to live firing ranges.	Comply with the content of the attached letter dated 1 July 1983, use permit, and Camp Edwards Regulations 385-63 regarding safe operation of ranges and range requests.  (Reimburseable: \$17,000 per annum)



Jonathan Bourne Public Library
19 Sandwich Rd.
Bourne, MA 02532

Agnathan Shurna & Inda Library

## For Reference

Not to be taken from this room